



# Metcalf Energy Center

---

April 14, 2003

Mr. Steve Munro, Compliance Project Manager  
California Energy Commission  
1516 9<sup>th</sup> Street, MS 2000  
Sacramento, CA 95814

**Subject: Metcalf Energy Center 99-AFC-3**  
**Monthly Compliance Report #18, March 1 – March 31, 2003**

Dear Mr. Munro:

In accordance with the CEC Commission Decision, enclosed please find a Monthly Compliance Report (Report) and Compliance Matrix for the Metcalf Energy Center. This report is for the period beginning March 1 – March 31, 2003.

The Report lists those Conditions of Certification that require submittal with the Monthly Compliance Report as stated in the Commission Decision. These submittals are listed in the Report and are attached.

A copy of this report is also being submitted to the library nearest the project site, Santa Teresa Branch Library, as required in the Commission Decision.

If you have any questions please call me at (408) 463-6001.

Sincerely,

*Kristen O'Kane*

Kristen O'Kane  
Environmental Compliance Manager  
METCALF ENERGY CENTER

Enclosures

cc: Ken Abreu, Calpine  
Steve DeYoung, Calpine  
Nick LaPorte, Calpine  
Sam McIntosh, Calpine  
Document Control, Calpine  
Don Wimberly, Willdan

**Metcalf Energy Center  
99-AFC-2**

**Monthly Compliance Report #18  
March 1 – March 31, 2003**

**1. Project construction status**

**Pile Driving:** Foundation Constructors completed driving of piles for the pipe racks and approximately 75% of piles for HRSG #1.

**Pile Concrete:** Concrete was placed in the steam turbine generator step-up transformer piles and steam turbine pedestal piles. Concrete was placed in approximately 25% of the cooling tower piles. Reinforcement (rebar) has been placed in the east HRSG pipe rack piles and the combustion turbine piles in preparation for concrete placement.

**Circulation Water Pipe:** Sheet pile installation was completed for the circulation water piping system and the cooling tower pump pit.

**Excavation:** Top Grade Construction completed cutting the sub-grade to bottom of concrete for all of the foundations that have been released for construction, including the architectural screen wall. Several piles that were driven caused mounding (heaving) of the sub-grades, the heaved portion of the sub-grade was removed.

**Material Preservation:** No major equipment components were received during the month of March. Equipment continues to be preserved per the manufacturer's recommendations.

**Engineering:** The engineering progress is approximately 86.5% complete. During this reporting period, engineering change orders were approved, which had a reducing effect to the total project percentage complete. Engineering continues to support construction and subcontract requirements.

***Key Accomplishments***

1) The following documents were issued by Burns and Roe Enterprises, Inc.:

- Issued the following documents to CBO for approval:
  - Revised STG pedestal drawings
  - Design package for visual screen to incorporate CBO comments
  - Design package for generator circuit breaker platform steel and foundations
  - All one line diagrams
  - Above and below ground cable sizing calculations
- Issued the following documents for review:

- Control Valve Specification, 15106
- Instrument Air System Specification
- Issued the following for construction/use:
- Specifications for:
  1. Relief Valve

2) Engineering Tasks:

- Engineering support of construction
- Continued to develop PDS 3D model:
  - a) Underground piping
  - b) Underground electrical system
  - c) Structural steel
  - d) Equipment
  - e) Foundation
- Continued to review vendor documents
  - a) Water treatment system
  - b) Cooling tower
  - c) HRSG
  - d) Combustion Turbine Generator
  - e) Steam Turbine Generator
  - f) Condenser
  - g) PDCs
  - h) Iso phase bus duct
  - i) BOP equipment
- Continued to update P&IDs
- Continued development of stress analysis
- Continued development of line, piping specialty and valve lists
- Continued development of system description
- Continued to develop I/O list
- Continued to develop logic diagrams
- Continued to develop above ground conduit design

3) Major Equipment

- The following equipment are in bid process:
  - a) Fire pump system
  - b) Shop fabricated tanks
  - c) CEMS

**Activities planned for next month**

**Pile Driving:** Foundation Constructors is expected to complete the installation of piles for all of the major foundations, pipe racks, architectural screen wall and dead end structures.

**Pile Concrete:** Foundation Constructors will continue to place reinforcement and concrete in the previously driven piles. The priority foundations are the combustion turbine and HRSG #2 pipe rack. Goals for April will be placement of rebar and concrete for 50% of the driven piles.

**Circulation Water Pipe:** Excavation within the sheet piling system and installation of the circulation water piping is scheduled. The excavated material will be temporarily placed on the west side of the cooling tower to serve as a crane pad for the cooling tower erector. This material will be removed after the cooling tower is completed.

**Excavation:** Top Grade Construction will continue to support re-excavation of the foundation in the event of ground heave and will excavate for the circulation water pipe.

**Engineering:**

- General
  - Continue to review vendor drawings for CTGs, STG, Condenser, HRSGs, Cooling Tower, major pumps, water treatment system, PDC, Iso phase bus duct and other equipment
  - Continue to support construction
  - Support Switchyard subcontractor's design development
- Mechanical
  - Complete air compressor specification for bid
  - Continue development stress analysis (Feed water, Aux. Steam)
  - Continue development line/valve/pipe specialty lists
  - Continue development of 3D equipment and piping models
  - Continue development of equipment list
  - Continue development of system descriptions
  - Continue development of isometrics (feed water, fuel gas, lube oil, closed cooling water)
  - Continue vendor document review
- Civil /Structural/Architectural
  - Continue update 3D Models
  - Finalize pile design package for demineralized and service water tanks
  - Finalize pile design package for gas compressor building and equipment
  - Review water treatment building loads for evaluating the foundation requirements
  - Provide engineering support on pile driving activities
  - Work on site finalization of civil package

- **Electrical:**
  - Complete cables in ICAMS for Siemens portion of STG
  - Continue with switchyard coordination
  - Issue CTG Cable schedules and wiring diagrams
  - Issue final underground conduit/duct bank drawings
  - Issue cable schedule, connection diagrams and above ground conduit drawings for:
    - Boiler Feed Water Pumps
  - Finalize BOP electrical room layout based on vendor equipment sizes
  - Issue final tray layouts
  - Design and issue STG pedestal embedded conduit
  - Issue Hazardous Class drawings, Rev. 0
  - Start Relay Protection Coordination study
  
- **Instrumentation:**
  - Review and comment on P&IDs
  - Continue data inputs to the major lists
  - Continue preparation of logics
  - Continue to review vendor drawings
  - Continue development of loop diagrams
  - Continue development of instrument specifications:
    - Transmitters
    - Gauges and meters
  - Schedule DCS kick-off meeting
  - Issue revision to the DCS I/O list

### **MEC Litigation Update**

1. The California Supreme Court (Decision 2-28-02)
  - a. The Supreme Court denied STCAG appeal on February 28, 2002.
  - b. The denial is final and non-appealable in California courts.
  
2. Sacramento Superior Court (Decision 2-22-02)
  - a. MEC's Demurrer was granted on 2-22-02, dismissing the suit for lack of subject matter jurisdiction.
  - b. STCAG had indicated in the press that it intends to appeal this dismissal for lack of subject matter jurisdiction.
  - c. Proposed Order Sustaining Demurrer was sent to the Judge for signature on March 14, 2002. The CEC sent a revised order and notice of judgment the last week of April.
  - d. We received a notice of intent to file an appeal from STCAG. STCAG will be appealing the Demurrer to the Third District Court of Appeals, dated May 8, 2002. By letter dated June 6, 2002, the office of the Clerk for the Third Appellate District notified STCAG that the reporter's transcript had been filed. STCAG's brief and appendix

- were originally due by July 5, 2002. However, STCAG was granted an extension. STCAG filed their Opening Brief on August 23, 2002. MEC's reply brief is due September 26, 2002. The brief was filed.
- e. STCAG filed its response to MEC's brief on November 4, 2002. Awaiting court letter regarding possible oral argument hearing date.
  - f. Oral argument was January 27, 2003.
  - g. Decision was filed on February 5, 2003 affirming judgment of dismissal.
  - h. Petitioner filed Petition for Rehearing on February 24, 2003.
  - i. Respondents filed answers on February 28, 2003.
  - j. Petition for rehearing was summarily denied on March 5, 2003.
3. U.S. Ninth Circuit Court of Appeals (Decision 11-21-02)
- a. On August 10, 2001, the U.S. EPA's Environmental Appeals Board (EAB) rejected petitions filed by STCAG and CARE that had contested the MEC Prevention of Significant Deterioration (PSD) permit. The STCAG subsequently appealed this EAB decision with the U.S. Court of Appeals for the Ninth Circuit in October 2001.
  - b. On November 21, 2002, the Ninth Circuit denied STCAG's petition on all grounds.
  - c. In January 2003 STCAG filed two motions seeking extensions of the deadline for filing a petition for rehearing of the Ninth Circuit's November 2002 order dismissing STCAG's appeal. Calpine, the CEC and BAAQMD all filed papers opposing the STCAG's motions. STCAG subsequently filed its petition for rehearing, which sought rehearing only by the original 3-judge panel that issued the November 2002 order.
  - d. In response to STCAG's motions, the Ninth Circuit during February 2003 extended the deadline for filing STCAG's petition for rehearing and accepted this petition for filing purposes only.
  - e. On March 6, 2003, the Ninth Circuit denied STCAG's petition for rehearing. All appeals before the Ninth Circuit have now been exhausted. Any further appeal can be pursued only by filing a petition for writ of certiorari with the U.S. Supreme Court no later than June 4, 2003.
4. STCAG lawsuit against the City: recycled water line (Pending)
- a. STCAG has sued to stop the City's construction of its preferred waterline route.
  - b. Hearing was held 6/20/02. Court rendered a decision in favor of City and Calpine.
  - c. STCAG appeal brief was filed in December. Calpine, the City of San Jose and the Santa Clara Valley Water District all filed responses. The CEC filed an amicus brief. STCAG has until April 1, 2003 to file a reply. Once a brief is filed, the Court can set the hearing at any time thereafter.

5. STCAG lawsuit against BAAQMD: San Francisco Superior Court (Pending)
- a. STCAG challenged the Bay Area Air Quality Management District (BAAQMD) issuance of the PSD permit.
  - b. The case was filed on 9/9/02 and served on 9/17/02.
  - c. Calpine and the BAAQMD are filing Demurrers (motions to dismiss) on or about October 17, 2002.
  - d. Hearing dates will be set thereafter.
  - e. BAAQMD late field its request for Demurrer. The parties had a telephonic meet and confer to set dates for filing of STCAG's first amended complaint, which was filed on November 8, 2002. Awaiting court order regarding leave to amend. Expect CEC, BAAQMD, and Calpine Demurrer to first amended complaint to be filed on or about 11-22-02.
  - f. Demurrers were filed by Calpine, the CEC and the BAAQMD on November 26, 2002.
  - g. December 19, 2002 hearing continued to January 2, 2003.
  - h. January 2, 2003 hearing: Superior Court issues oral order granting MEC's Demurrer without leave to amend. Order and notice of judgment in favor of MEC, the BAAQMD, and the CEC currently being drafted by BAAQMD.
  - i. The Proposed Order was sent to the Judge to be signed on February 19, 2003.
  - j. The Order was signed by the Judge on February 27, 2003 and filed with court on March 3, 2003.

## **2. Documents required to be submitted with Monthly Compliance Report**

<b>CONDITION</b>	<b>SUMMARY</b>
AQ-48	Summary of monthly activities related to the Fugitive Dust Control Plan is attached.
AQ-52	3 ultra low sulfur fuel receipts attached.
AQ-52	Off-road diesel fired equipment usage lists attached.
BIO-2	Summary of Designated Biologist's written records is attached.
BIO-6	WEAT training presented to 25 on site personnel.
CUL-5	WEAT training presented to 25 on site personnel.
CUL-7	Weekly construction schedules are attached.
CUL-8	Weekly summary reports attached.
PAL-3	WEAT training presented to 25 on site personnel.
PAL-4	A summary report is attached.
LAND-1	There is no update on trail developments.
SOCIO-1	List of planned procurement of materials and hiring outside the local regional area is attached.
SOIL&WATER-1	Gallons of well water used during the month of March =

	70,466.
GEN-2	Updated drawing list available upon request.
GEN-3	No payments made to the CBO in March.
GEN-6	CBO approval of Special Inspectors is attached.
TRANS-1	No oversize/overweight permits were obtained in March.
CUL-10	Caltrans encroachment permit attached.

**3. Compliance matrix**

A Compliance Matrix is attached.

**4. Conditions that have been satisfied during the reporting period  
(CBO submittals and approvals can be found in #12)**

CONDITION	SUMMARY
CUL-17	Submitted a presence/absence testing plan for the gas line (submittal not required by the condition).
WASTE-4	Submitted an additional resume for review and approval.

**5. Submittal deadlines not met**

There are no outstanding submittals.

**6. Approved COC changes**

- A request for amendment was submitted 11/30/01 and approved 12/21/01. The amendment allows for an additional 14 acres of laydown area south of Blanchard Road and west of the railroad tracks.
- An amendment was approved on 8/28/02 to allow the originally certified 10.2-mile recycled water line to be replaced with a 1000-foot lateral interconnection line of the same capacity.

**7. Filings or permits with other agencies**

- None

**8. Projection of project compliance activities for next two months (April - May)**

CONDITION	SUMMARY
AQ-48	Will follow dust mitigation measures.
AQ-49 and 50	Dust will be monitored and activities recorded.
CUL-5	Training will be provided as needed.
CUL-7	Will submit weekly schedule to resource specialists.
CUL-8	Cultural specialist will perform required duties when necessary.
CUL-9	Cultural specialist will perform required duties when necessary.
BIO-2	Biologist will perform required duties when necessary.
BIO-6	Training will be provided as needed.
PAL-3	Training will be provided as needed.

PAL-4	Paleo specialist will perform required duties when necessary.
VIS-3	Will submit lighting plan to CPM and City of San Jose for review.
VIS-5	Will submit revised Monterey Road landscaping plan.
VIS-7	Will submit Coyote Ranch landscaping plan.
VIS-9	Will respond to CEC comments on architectural treatment.
LAND-3	Will provide notification that eastern equipment boundaries have been marked and are ready for inspection.

**9. Additions to on-site compliance file**

- Silt fence inspection logs
- Straw bale and wattle inspection logs
- Erosion and sediment control inspection logs
- Road cleaning logs
- Water truck (dust control) logs
- Biological monitor daily logs
- WEAT training logs
- Daily logs (fugitive dust and public road inspections for tracked out material)
- Ultra low sulfur fuel receipts

**10. Requests to dispose of items in compliance file**

None

**11. Listing of complaints, notices of violations, official warnings, and citations**  
None.

**12. List of facility design submittals, comments and approvals to CBO**

Submittal matrix attached. CBO comments received in March are attached.

**CBO Approvals:**

- Calculation #GGHL 201044.03, Visual Screen
- Drawing #SS-1, Rev. 1, Visual Screen Foundation Plan
- Drawing #SS-1A, Rev. 1, Visual Screen Foundation Load Plan
- Drawing #SS-3, Rev. 1, Visual Screen Foundation Pile Cap Detail PC-8C
- Drawing #SS-4, Rev. 1, Visual Screen Pile Cap Detail PC-8A and Pile Section
- Drawing #SS-5, Rev. 1, Visual Screen Foundation Pile Cap Detail PC-6A
- Drawing #SS-6, Rev. 1, Visual Screen Foundation Pile Cap Detail PC-8B
- Drawing #SS-7, Rev. 1, Visual Screen Foundation Pile Cap Detail PC-8D
- Drawing #SS-8, Rev. 1, Visual Screen Foundation Pile Cap Detail PC-20A
- Drawing #SSA-9, Rev. 1, Visual Screen Foundation Piers on two HRSG bases
- Submittal # 16320-SD-001, H-frame termination structure foundation

**CONDITION OF CERTIFICATION AQ-48**  
**SUMMARY OF FUGITIVE DUST MITIGATION ACTIVITIES**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #18

Summary of monthly activities related to the Fugitive Dust Control Plan:

The site was monitored daily for fugitive dust and for tracked material onto public roads. The rock in the tire wash station at the site exit was cleaned. Hydroseeded areas are well-covered reducing wind erosion in those areas. A water truck and operator are on site daily to water the site for dust prevention. Logs are kept on file as part of the Storm Water Pollution Prevention Plan.

Specific activities include:

- A mechanical vacuum sweeper was on site the following days to remove dust from the access road, Blanchard Road and Monterey Road/Blanchard Road intersection.

3/4/03
3/6/03
3/7/03
3/13/03
3/14/03
3/18/03
3/19/03
3/21/03
3/28/03

**CONDITION OF CERTIFICATION AQ-52**  
**ULTRA-LOW SULFUR FUEL RECEIPTS**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #18

# Gulf TRANSPORTATION

260 MICHELE COURT • SOUTH SAN FRANCISCO, CALIFORNIA 94080-6927  
(650) 873-1244

## DELIVERY RECEIPT

FOUNDATION CONSTRUCTORS/CRDLK  
P.O.BOX-97  
OAKLEY, CA 94561

SHT  
ION #1  
P FOUNDATION CONSTRUCTORS/CRDLK  
BLANCHARD RD.  
SAN JOSE, CA 95101

CUSTOMER: 0970

SHIPPER:

Nella ORIGIN: So London

DRIVER'S COMMENTS

Wellhouse Equipment

ORDER NUMBER	P.O. NUMBER	DATE	TRUCK	TRAILER #	LOC.	DRIVER	TERMS
261,621		03/07/03	40			Mark	NET 15 DAYS
9 OL SULF DIESEL	500.00			500			500 → 375

FUEL OIL/COMBUSTIBLE LIQUID / NA1993  
THIS DIESEL FUEL DOES NOT CONTAIN VISIBLE EVIDENCE OF DYE.  
UST Certificate on file  
Certificate # \*\*\* NONE \*\*\*

# 30703 A

FOR HAZARDOUS MATERIAL EMERGENCY  
Spill, Leak, Fire, Exposure, or Accident  
CALL PERS DAY OR NIGHT  
1-800-HAZARDOUS 633-8253

103006

PAY THIS AMOUNT

TRIP MILES LOADED

340 772

340 741

31

BEFORE

AFTER

TRIP HOURS

TRIP	START	FINISH	START	FINISH	TIME
1330			1415	1530	

RECEIVED ABOVE PAYMENT IN FULL FOR SERVICE RENDERED ON THIS DATE

Randy Klopfer

RECEIVED BY

TERMS AND CONDITIONS. NET DUE DATE. A FINANCE CHARGE OF 1.5% PER MONTH (ANNUAL PERCENTAGE RATE 18%)

REMAINING UNPAID AMOUNT WILL BE CHARGED TO YOUR CREDIT CARD



TRANSPORTATION

260 MICHELE COURT • SOUTH SAN FRANCISCO, CALIFORNIA 94080-6927  
(650) 873-1244

## DELIVERY RECEIPT

FOUNDATION CONSTRUCTORS/CRDLK  
P.O. BOX-97  
OAKLEY, CA 94561

FOUNDATION CONSTRUCTORS/CRDLK  
#1 BLANCHARD RD.  
SAN JOSE, CA 95101

CUSTOMER 10970

SHIPPER:

Nellos

ORIGIN:

Soledad

## DRIVER'S COMMENTS

ORDER NUMBER	P.O. NUMBER	DATE	TRUCK	TRAILER #	LOC.	DRIVER	TERMS
262,527		03/18/03	40			Mark	NET 15 DAYS
9 UL SULF DSL	500.00			500			500 → 326

FUEL OIL/COMBUSTIBLE LIQUID / NA1993  
THIS DIESEL FUEL DOES NOT CONTAIN VISIBLE EVIDENCE OF DYE.  
UST Certificate on file  
Certificate # \*\*\* NONE \*\*\*

#31803m

DELIVER BETWEEN 7:00 A.M. & 3:00 P.M. FILL EQUIPMENT  
CONTACT IS KEITH, CELL #925-382-7233

FOR HAZARDOUS MATERIAL EMERGENCY  
Spill, Leak, Fire, Exposure, or Accident  
CALL PERS DAY OR NIGHT  
1-800-HAZARDOUS 633-8253

#103006

PAY THIS AMOUNT

TRIP MILES LOADED

341757

341734

23

BEFORE

AFTER

TRIP HOURS

TRIP	START	FINISH	START	FINISH	TIME
1215			13:00	14:15	

Darren Blagojevich  
RECEIVED BY



Flyers Transportation, LLC dba

260 MICHELE COURT • SOUTH SAN FRANCISCO, CALIFORNIA 94080-6927  
(650) 873-1244

## DELIVERY RECEIPT

FOUNDATION CONTRACTORS / CRDLK & 30  
P.O. BOX - 97  
OAKLEY, CA 94561SHT  
TO  
PFOUNDATION CONTRACTORS / CRDLK  
#1 BLANCHARD RD.  
SAN JOSE, CA 95101

CUSTOMER: 10970

SHIPPER: Nella

ORIGIN: South Linden

DRIVER'S COMMENTS

ORDER NUMBER	P.O. NUMBER	DATE	TRUCK	TRAILER#	LOC.	DRIVER	TERMS
263,307		03/26/03	40			Mark /oon	NET 15 DAYS
9	UL SULF DSL	500.00		553			5537257

FUEL OIL/COMBUSTIBLE LIQUID / NA1993  
THIS DIESEL FUEL DOES NOT CONTAIN VISIBLE EVIDENCE OF DYE.  
UST Certificate on file  
Certificate # \*\*\* NONE \*\*\*

deliver Wednesday before 1pm  
ordered by John 925-382-7232  
-Dana

FOR HAZARDOUS MATERIAL EMERGENCY  
Spill, Leak, Fire, Exposure, or Accident  
CALL PERS. DAY OR NIGHT  
1-800-HAZARDOUS 633-8253

*132603 m*

PAY THIS AMOUNT

TRIP MILES LOADED

342 510

342 457

BEFORE

AFTER

TRIP HOURS

TRIP	START	FINISH	START	FINISH	TIME
895				1Q15	1100

RECEIVED BY

TERMS AND CONDITIONS. NET DUE DATE. A FINANCE CHARGE OF 1.5% PER MONTH (ANNUAL PERCENTAGE RATE OF 18%) WILL BE CHARGED ON THE REMAINING UNPAID AMOUNT AFTER THE DUE DATE INDICATED. A \$10.00 DAILY DELAY CHARGE WILL BE CHARGED FOR EACH DAY THE PAYMENT IS PAST DUE.

**CONDITION OF CERTIFICATION AQ-52**  
**OFF-ROAD DIESEL-FIRED EQUIPMENT USAGE LISTS**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #18

DATE: March 2003

This form must be completed before site mobilization and must include all equipment that will be used on site.  
 \*\* All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Crane		Manitowoc	2900WC	29591	175	Daily (February – April)	2/11/03		Received exemption.
Crane		Manitowoc	3900W	395037	300	Daily (February – April)	2/11/03		Received exemption.
Crane		Drott	2500	6240824	170	Daily (February – April)	2/11/03		Received exemption.
Crane		American	5520	6613968	180	Daily (February – April)	2/11/03		Received exemption.
Loader	1980	Pettibone	304-A	30-10 0074	175	Daily (February – April)	2/11/03		Received exemption.
Welder		Lincoln	500	U10002	17	Periodic (March – April)	3/3/03		See attached letter from Cinco.
Welder		Lincoln	500	03489					<100 HP
				U19909	17	Periodic (March – April)	3/3/03		<100 HP
				08503					

CMM Signature:

  
Date: 4/8/03

Comments:

RECEIVED

APR 09 2003

METCALF ENERGY CENTER

**CONTRACTOR:** Foundation**DATE:** March 2003

This form must be completed before site mobilization and must include all equipment that will be used on site.  
 \*\* All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPFF)
Forklift	2001	Gradall	544D	0160000 914	130	Daily February 26 - April	2/26/03		1996 or newer

CMM Signature: MICHAEL J. O'LEARY

Date: 4/18/03

Comments:

.....

.....

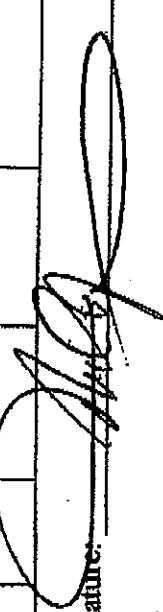
.....

**CONTRACTOR:** Sheedy Drayage Co.**DATE:** March 2003

This form must be completed before site mobilization and must include all equipment that will be used on site.

\*\* All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Forklift	2000	Hyster	H280XL	YA70337	120	Periodic (4 days total this month)	11/19/02	N/A	CARB.

CMM Signature: Date: 4/8/03

Comments:

**CONTRACTOR: Top Grade Construction****DATE: March 2003**

This form must be completed before site mobilization and must include all equipment that will be used on site.  
\*\* All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

Sent By: PASQUINI ENGINEERING;

6613289030;

Apr-9-03 8:23AM;

Page 4/6

Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Motograder	96	CAT	Emit MotoGrader	R08701		1	3/4/03	3/4/03	<10 days in use
Dozer	96	CAT	D6M	4TF41881		1	3/4/03	3/4/03	<10 days in use
Roller	>96		84" Roller	Rental		1	3/4/03	3/4/03	<10 days in use
Excavator	>95		Mini Excavator	Rental		5	3/21/03	3/27/03	<10 days in use
Skip loader	96	Massey Ferguson	Skip loader	R34301		5	3/21/03	3/27/03	<10 days in use

CMM Signature: Date: 4/8/03

**CONDITION OF CERTIFICATION BIO-2**  
**SUMMARY OF BIOLOGICAL MONITORING**

**METCALF ENERGY CENTER**  
**MONTHLY COMPLIANCE REPORT #18**

**Biological Resources**  
**Mitigation Monitoring for the**  
**Metcalf Energy Center**

**MONTHLY COMPLIANCE REPORT #18**

**March 2003**

**Prepared by:**

**CH2M HILL**

**2485 Natomas Park Drive, Suite 600  
Sacramento, California 95833**

---

# **METCALF ENERGY CENTER**

## **MONTHLY COMPLIANCE REPORT**

**March 2003**

### **TABLE OF CONTENTS**

Introduction.....	1
Monitored Mitigation Measures .....	2
Summary of Activities.....	3
Worker Environmental Awareness Training.....	5
General Notes and Observations.....	6

### **APPENDICES**

- A) Cumulative Wildlife Species Observed in or Near the Project Area**
- B) WEAT Sign-In Sheets**
- C) Wildlife Observation Forms**
- D) Photographs**

# INTRODUCTION

---

The Metcalf Energy Center (MEC) site is located in the Santa Clara Valley within the Urban Service Area of south San Jose. The MEC will be a 600-megawatt natural-gas-fired combined cycle power plant with the following features:

- A 230-kilovolt (kV) switchyard and approximately 240 feet of new 230-kV transmission line that will loop into the existing Pacific Gas and Electric (PG&E) 230-kV Metcalf-Monta Vista No. 4 transmission on Tulare Hill.
- An approximately one mile, 16-inch natural gas pipeline that will connect to an existing PG&E transmission backbone pipeline that runs along the eastern side of U.S. 101.
- An approximately 10.2-mile water pipeline from a tap into the South Bay Water Recycling Program's (SBWR) existing main pipeline in eastern San Jose will be used for cooling water.
- An approximately 1.2-mile water pipeline will supply domestic and backup water supplies.
- A stormwater detention basin and discharge outfall structure to Fisher Creek.
- A new access road from Monterey Road at the Blanchard Road junction and visual screening and landscape corridor along the new access road that will require 6 acres of agricultural land south of the MEC site.
- A second access road (west access road) may extend from Santa Teresa Boulevard to the MEC site that will require 2.0 acre of agricultural land.
- Two temporary construction laydown yards totaling 24.8-acres are located in agricultural land south of the MEC site.

The project was designed to avoid significant negative impacts to sensitive biological resources to the furthest extent feasible. Mitigation measures were developed through consultation with the U. S. Fish and Wildlife Service (USFWS), U. S. Army Corps of Engineers (Corps), National Marine Fisheries Service (NMFS), California Department of Fish and Game (CDFG), and the Water Quality Control Board to minimize unavoidable project impacts. Permits and authorizations from these agencies included conditions that must be monitored by the Designated Biologist. The Biological Monitor will be present onsite during all phases of construction to ensure compliance with the mitigation measures outlined in the *Biological Resources Mitigation Implementation and Monitoring Plan* (BRMIMP). The following report includes all MEC project activities monitored during March 2003.

---

## **MONITORED MITIGATION MEASURES**

---

Mitigation measures were developed through consultation with USFWS, NMFS, CDFG, San Francisco Bay Regional Water Quality Control Board (Water Board), Corps, and California Energy Commission (CEC) for the MEC project. Compliance with conditions of any additional Corps, Water Board, and CDFG permits will be included when permits are received and used on the project.

Conditions of Certification (COC) BIO-1 through BIO-13 were in compliance during March 2003. In compliance with COC BIO-2, the Biological Monitor examined and cleared Phase 1 activity areas immediately prior to and during March activities.

The following conditions described in the USFWS Biological Opinion (BO) remained pertinent to the March monitoring efforts:

- Garbage must be removed from the site.
- Activity must be limited to the minimum necessary.
- The boundaries of the site will be clearly marked.
- All equipment, personnel, and access shall be confined to designated work areas and connecting roadways.
- Refueling will occur at least 50 feet away from aquatic habitats.
- Weekly California red-legged frog surveys will be conducted in work areas (following the 10 days of daily surveys conducted in March).
- Bullfrogs found during amphibian surveys, including adult, subadult, and larval bullfrogs, shall be captured and killed.
- The Biological Monitor will inspect the erosion control features daily.
- Concrete trucks must be washed within a designated area with a surrounding berm.

All activities complied with conditions described in the NMFS BO. Work near Coyote Creek, where NMFS has jurisdiction over anadromous fish (salmon and steelhead), will occur in the summer 2003.

The Monitor was available throughout the month to respond to biological issues as needed. March activities are described below.

---

# **SUMMARY OF ACTIVITIES**

---

This report includes project activities that took place during March 2003. March activities included ongoing site construction, geo-technical drilling, MEC Ecological Preserve Enhancement, and presentation of the Worker Environmental Awareness Training (WEAT) program to project personnel. Although continuing site activities are similar to the previous month, Calpine considered March to be the initiation of Phase 2. The following provides a description of these activities. A cumulative wildlife species list is included in Appendix A. WEAT sign-in sheets are included in Appendix B. Wildlife Observation Forms are included in Appendix C. Representative photographs of March activities are included in Appendix D. The Biological Monitor completes daily logs summarizing activities, personal interactions, and observations. These logs are available on request.

## **Phase 2 Site Construction**

March Phase 2 site activities included ongoing pile driving; reinforcement of installed piles with rebar and concrete; installation of a temporary access route; and continued equipment transport/storage onto the laydown yards. Some of these activities will likely continue into April 2003.

The Biological Monitor performed general and species-specific wildlife clearance surveys immediately prior to and during all ground disturbance activities. The Biological Monitor continued to survey for injured, dead, and entrapped wildlife throughout each construction zone.

The Biological Monitor performed spot checks of March Phase 2 activities. The spot checks focused on ensuring that work complied with all CEC COC. All construction related activity remained outside the Fisher Creek riparian corridor.

### ***Pile Driving***

Pile driving on the footprint site was ongoing throughout March 2003. In addition, excavation occurred on the footprint site to allow placement of piles. Excavated soil was moved to the project's soil stockpile located on the north laydown yard. Pile driving will likely continue through the coming weeks.

### ***Pile Reinforcement***

Steel piles driven into the MEC footprint site will bear the heavy loads of various power plant structures (e.g. cooling towers, CTGs, etc.). Throughout March, re-bar cages were installed and concrete was poured into each pile. Reinforcement of the piles will likely continue through the coming weeks.

Concrete mixer trucks utilized the designated concrete washout station prior to leaving the site. The washout station is plastic lined and surrounded by a berm to prevent runoff into sensitive resource areas. Use of the washout station satisfies a condition included in the USFWS BO.

---

### ***Temporary Access Route***

During construction of the MEC power plant, heavy equipment will access the footprint site by various temporary access routes. One access route is located just west of the cooling towers elevated pad. A portion of the route lies within the City of San Jose 100-foot setback from the Fisher Creek Riparian Corridor but will only be used as temporary access.

On March 4<sup>th</sup>, construction equipment, including bulldozers and graders re-contoured the western slope of the cooling towers pad to make room for the temporary access route. A portion of the construction boundary silt fence was temporarily removed to facilitate the re-contouring activities. The fence was re-installed following work activities.

On March 4<sup>th</sup>, construction equipment inadvertently unearthed 2 California voles (*Microtus californicus*), one of which was accidentally killed. The subcontractor stopped work in that area allowing safe access for the Biological Monitor. Both animals were moved to the Fisher Creek Riparian Corridor. Associated Wildlife Observation Forms can be found in Appendix C.

### ***Power Plant Materials Storage***

Heavy haul trucks continued to transported equipment onto the north and south laydown yards. All traffic was confined to previously established roads. These activities will continue through the coming months.

### **Geo-technical Tests**

Linear features associated with the MEC project include, but are not limited to, the recycled/waste water pipeline, domestic water pipeline, and secondary access road. The recycled/waste water pipeline will tap into an existing pipeline located adjacent to Santa Teresa Road. The domestic water pipeline will connect to an existing well located south of the MEC main site. The secondary access road traverses southwest from the MEC main site to Santa Teresa Road.

On March 11<sup>th</sup>, geo-technical testing commenced in preparation of above linear features. Core samples of approximately 15-foot depth were taken from test sites located along each of the above stated proposed linear features. The results of the geo-tech sampling were analyzed to assess the substrate integrity. These findings will be used during the civil design phase of each linear feature.

Prior to the start of drilling at each test site, the Biological Monitor performed a clearance survey for sensitive biological resources. None were observed. All test sites were located in highly degraded areas, including the MEC project site and active agricultural fields.

### **MEC Ecological Preserve Enhancement**

In February, Calpine received a SCVWD work permit (Permit # 03409) allowing enhancement tree plantings to continue within the MEC Ecological Preserve. The permit was needed for enhancement work in areas within 50-feet of the Fisher Creek Riparian Corridor.

Enhancement of the Ecological Preserve resumed on March 3, 2003. Planted vegetation included valley oak (*Quercus lobata*), coast live oak (*Quercus agrifolia*), coffeeberry (*Rhamnus californica*) and blue elderberry (*Sambucus mexicanus*). Additional vegetation including

---

California sycamore (*Platanus racemosa*), California buckeye (*Aesculus californica*), and coyote brush (*Baccharis pilularis*) will be planted when they become available.

The landscaping contractor accessed the Ecological Preserve using the PG&E access road, which crosses Fisher Creek. Enhancement activities included digging holes for trees and shrubs, planting vegetation, and installation of the irrigation drip and timing system. In addition, wire mesh was installed around each new shrub for herbivore protection. Additional meshing will likely be installed around the remaining trees next month. Enhancement activities were limited to the use of hand tools.

For the meantime, the solar powered timing system will dispense water to the enhancement areas 3 days/week ensuring at least 10 gallons per tree or shrub. The watering schedule will likely be adjusted as necessary to accommodate additional water needs during the dry summer months.

The Biological Monitor was onsite daily during enhancement activities. All work activities avoided the Fisher Creek Riparian Corridor and Tulare Hill. The Biological Monitor ensured that the correct number of individuals of each prescribed species were planted in enhancement areas 1 and 2.

---

## WORKER ENVIRONMENTAL AWARENESS TRAINING

---

The WEAT program was developed exclusively for the MEC project. Program materials include a handbook, video, and poster. During March, the WEAT program was administered as required by COC BIO-6 from the CEC *Commission Decision*.

In March, WEAT continued with the presentation of a training video and distribution of WEAT handbooks.

A total of 25 personnel received WEAT training during March for a total of 497 employees trained at the Metcalf Energy Center. A Mortenson Site Safety Officer administered the WEAT training to all new March employees. A list of March WEAT attendees is included in Appendix B. Signed affidavits are kept on file by both Calpine's Compliance Manager and the Designated Biologist.

---

## **GENERAL NOTES AND OBSERVATIONS**

---

March activities were minimal with most site activities confined to previously disturbed areas. The Biological Monitor's duties were limited accordingly. The Biological Monitor remained on-call for most of the month. Although Phase 2 activities are ongoing (e.g. equipment delivery, pile driving, pile reinforcement), the Biological Monitor's duties will likely remain limited until full construction commences.

On March 20<sup>th</sup> and 25<sup>th</sup>, 6 cattle (bulls) were released onto the Tulare Hill portion of the Ecological Preserve. Additional cattle will likely be released in April. Water from the Preserve's well will be utilized for the cattle. During the Ecological Preserve enhancement process, a water line from the irrigation system was attached to the cattle trough located adjacent to Enhancement area 1. Water volumes in the trough will be maintained using a float system.

The Biological Monitor resumed nesting surveys for general and sensitive bird species. These surveys focused on areas within 500-feet of MEC Phase 2 and Ecological Preserve enhancement activities, namely the Fisher Creek Riparian Corridor. The typical nesting season for birds is March to August. Nesting activity was observed by bushtit (*Psaltriparus minimus*). Nesting behavior by sensitive species was not observed.

On March 6<sup>th</sup>, the Biological Monitor performed a reconnaissance level survey of the Coyote Creek Riparian Corridor. The survey focused on the HDD work corridor for the proposed MEC natural gas pipeline passing under Coyote Creek. As requested by the Designated Biologist, the Biological Monitor characterized the creek channel (at the point of HDD intersection & downstream) for potential spawning habitat for sensitive fish species (e.g. steelhead). In addition, the Biological Monitor attempted to locate potential access routes to the creek from a nearby pedestrian path. Access to the creek will be crucial during the unlikely event of a frac-out (inadvertent surface release of drilling slurry). The information was gathered to provide information for a CDFG Streambed Alteration Agreement request.

## **APPENDIX A**

---

### **Cumulative Wildlife Species Observed In or Near the Project Area**

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project  
and Linear Facilities Area (May 2001 to March 31, 2003)**

Common Name	Scientific Name	Location
<b>INSECTS</b>		
Bay checkerspot butterfly	<i>Euphydryas editha</i> spp. <i>Bayensis</i>	TH
Cabbage white butterfly	<i>Pieris rapae</i>	EC
Anise swallowtail butterfly	<i>Papilio zelicaon</i>	TH
Buckeye butterfly	<i>Precis coenia</i>	TH
Painted lady butterfly	<i>Vanessa cardui</i>	EC
Opler's longhorn moth	<i>Adela oplerella</i>	TH
Tarantula	<i>Euryopelma californicum</i>	TH
<b>AMPHIBIANS AND REPTILES</b>		
Pacific tree frog	<i>Hyla regilla</i>	TH, FC, EC
Arboreal salamander	<i>Aneides lugubris</i>	TH, EC
Western fence lizard	<i>Sceloporus occidentalis</i>	EC, TH, LA, FC
Side-blotched lizard	<i>Uta stansburiana</i>	EC
Southern alligator lizard	<i>Elgaria multicarinata</i>	EC, TH
Western skink	<i>Eumeces skiltonianus</i>	TH
Gopher snake	<i>Pituophis melanoleucus</i>	EC, LA, FC
<b>BIRDS</b>		
Pied-billed grebe	<i>Podilymbus podiceps</i>	FC, CC
American white pelican	<i>Pelecanus erythrorhynchos</i>	EC*
Double-crested cormorant	<i>Phalacrocorax auritus</i>	CC*
Canada goose	<i>Branta canadensis</i>	EC*, CC
Mallard	<i>Anas platyrhynchos</i>	FC, CC
Gadwall	<i>Anas strepera</i>	FC
Wood duck	<i>Aix sponsa</i>	FC, CC
Common merganser	<i>Mergus merganser</i>	FC
Hooded merganser	<i>Lophodytes cucullatus</i>	FC
American coot	<i>Fulica americana</i>	FC, CC
Great blue heron	<i>Ardea heroides</i>	FC
Green heron	<i>Butorides virescens</i>	FC, CC
Great egret	<i>Casmerodius albus</i>	FC
Turkey vulture	<i>Cathartes aura</i>	EC*, TH, LA
Killdeer	<i>Charadrius vociferus</i>	LA, LEA*, EC
Location:		
TH = Tule Lake National Wildlife Refuge		
FC = French Creek Conservation Area		
EC = Elkhorn Slough National Estuarine Research Reserve		
LA = Los Angeles National Audubon Society Reserve		
LEA = Los Angeles Estuary Audubon Society Reserve		
WLR = Waterfowl Counting Station		
LD = Lowdown Point (conservation area)		
Notes:		
* = species observed only once and considered to be uncommon.		
NOTE: SPECIES NOT LISTED IN THIS TABLE ARE NOT INCLUDED IN THE CUMULATIVE WILDLIFE OBSERVATION REPORT.		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project  
and Linear Facilities Area (May 2001 to March 31, 2003) (Continued)**

Common Name	Scientific Name	Location
<b>BIRDS (continued)</b>		
White-tailed kite	<i>Elanus caeruleus</i>	FC
Northern harrier	<i>Circus cyaneus</i>	FC, TH
Golden eagle	<i>Aquila chrysaetos</i>	TH
Osprey	<i>Pandion haliaetus</i>	CC*, TH, EC, FC
Sharp-shinned hawk	<i>Accipiter striatus</i>	FC, TH
Cooper's hawk	<i>Accipiter cooperii</i>	CC, EC*, FC
Red-shouldered hawk	<i>Buteo lineatus</i>	EC, FC, LA, CC, LEA
Red-tailed hawk	<i>Buteo jamaicensis</i>	EC, FC, GP, TH, TL, CC
American kestrel	<i>Falco sparverius</i>	EC, TH
Prairie falcon	<i>Falco mexicanus</i>	TH
California quail	<i>Callipepla californica</i>	CC, GP
Spotted sandpiper	<i>Actitis macularia</i>	FC
Mourning dove	<i>Zenaida macroura</i>	EC, FC, TH, TL, CC
Rock dove	<i>Columba livia</i>	EC*, TH*
Anna's hummingbird	<i>Calypte anna</i>	TH, CC
Hummingbird sp.		EC, TH, FC
Belted kingfisher	<i>Ceryle alcyon</i>	FC, EC*, CC
Northern flicker	<i>Colaptes auratus</i>	EC, FC, TH
Nuttall's woodpecker	<i>Picoides nuttallii</i>	FC, EC
Downy woodpecker	<i>Picoides pubescens</i>	EC, FC
Black phoebe	<i>Sayornis nigricans</i>	EC, FC, TL, LEA, CC
Say's phoebe	<i>Sayornis saya</i>	LEA
Western scrub-jay	<i>Aphelocoma californica</i>	EC, FC, LEA, CC
Common raven	<i>Corvus corax</i>	EC, TH, FC, CC
Horned lark	<i>Eremophila alpestris</i>	TH
Cliff swallow	<i>Petrochelidon pyrrhonota</i>	FC, EC, TL
Barn swallow	<i>Hirundo rustica</i>	EC, LEA
Oak titmouse	<i>Baeolophus inornatus</i>	FC, CC
Chestnut-backed chickadee	<i>Poecile rufescens</i>	FC
Bushtit	<i>Psaltriparus minimus</i>	EC, FC, FC**,GP, TL, CC
White-breasted nuthatch	<i>Sitta carolinensis</i>	FC
* = Common, ** = Uncommon, GP = Ground, TL = Tree Line, CC = Common, TH = Thicket, LEA = Low Elevation Area		
NOTE: This list is not all-inclusive. Other species may have been observed.		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project  
and Linear Facilities Area (May 2001 to March 31, 2003) (Continued)**

Common Name	Scientific Name	Location
<b>BIRDS (CONTINUED)</b>		
Bewick's wren	<i>Thryomanes bewickii</i>	FC, TH, CC
Rock wren	<i>Salpinctes obsoletus</i>	FC, TH
Ruby-crowned kinglet	<i>Regulus calendula</i>	TH, FC, CC
Northern mockingbird	<i>Mimus polyglottos</i>	EC, FC
Western bluebird	<i>Sialia mexicana</i>	FC, CC, EC, LEA
American robin	<i>Turdus migratorius</i>	LA, EC, CC
Loggerhead shrike	<i>Lanius ludovicianus</i>	TH, FC, EC
Western kingbird	<i>Tyrannus verticalis</i>	CC
European starling	<i>Sturnus vulgaris</i>	LEA, FC, EC
Rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>	EC
California towhee	<i>Pipilo crissalis</i>	EC, TH, FC, CC
Dark-eyed junco	<i>Junco hyemalis</i>	FC, TH, CC
White-crowned sparrow	<i>Zonotrichia leucophrys</i>	EC, FC, TH, CC
Song sparrow	<i>Melospiza melodia</i>	EC, LA, LEA, FC
Yellow-rumped warbler	<i>Dendroica magnolia</i>	TH, FC, CC
Western meadowlark	<i>Sturnella neglecta</i>	EC, LA, TH
Red-winged blackbird	<i>Agelaius phoeniceus</i>	FC
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	FC, EC, CC
Bullock's oriole	<i>Icterus bullockii</i>	FC, CC
House finch	<i>Carpodacus mexicanus</i>	EC, CC, FC
American goldfinch	<i>Carduelis tristis</i>	LEA
Lesser goldfinch	<i>Carduelis psaltria</i>	EC, FC, CC, TH
House sparrow	<i>Passer domesticus</i>	EC, FC, CC
<b>MAMMALS</b>		
Common raccoon	<i>Procyon lotor</i>	FC**
Striped skunk	<i>Mephitis mephitis</i>	TH**
Opossum	<i>Didelphis marsupialis</i>	EC
Coyote	<i>Canis latrans</i>	TH
Feral cat	<i>Felis catus</i>	EC
Bobcat	<i>Lynx rufus</i>	CC**
California ground squirrel	<i>Spermophilus beechyi</i>	EC, FC, TH, TL
Western gray squirrel	<i>Sciurus griseus</i>	FC
Legend:		
CC = Common Condition	FC = Fresh Condition	LA = Late Condition
FC = Fresh Condition	TH = Transitional Condition	TL = Transitional Condition
GP = Good Condition	VC = Very Good Condition	VG = Very Good Condition
NR = Not Recorded	PC = Poor Condition	SC = Suboptimal Condition
ND = Not Determined	TC = Terrible Condition	WV = Worn Condition
Non-excessive mortality was observed during the study period.		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project  
and Linear Facilities Area (May 2001 to March 31, 2003) (Continued)**

Common Name	Scientific Name	Location
<b>MAMMALS (CONTINUED)</b>		
Valley pocket gopher	<i>Thomomys bottae</i>	LA**
California vole	<i>Microtus californicus</i>	FC, EC
Deer mouse	<i>Peromyscus maniculatus</i>	TH
Norway Rat	<i>Rattus norvegicus</i>	EC
Common muskrat	<i>Ondatra zibethicus</i>	FC
Black-tailed jackrabbit	<i>Lepus californicus</i>	EC, TH
Feral pig	<i>Sus scrofa</i>	CC**
Mule (black-tailed) deer	<i>Odocoileus hemionus</i>	FC, GP, CC
<b>Legend</b>		
LA = Lower Chalk Ranch Corridor	GP = Groundwater Protection Area	TH = Transmission Line Corridor
FC = Foothills Corridor	WL = Water Line Corridor	
GP = Groundwater Protection Area		
CC = Cumulative Corridor		
<b>Notes</b>		
** = Not detected		
Note: The scientific names are the most recent		

## **APPENDIX B**

---

### **WEAT Sign-In Sheets**

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING

SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 3/4/03

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company
LCS - SUSA	<u>Jeff M. Sula</u>	SANDIS HUMBER JONES
FRANK WANG	<u>Frank Wang</u>	PARIKH CONSULTANTS
Roman Mereminskiy	<u>Roman Mereminskiy</u>	Ditcher Drilling
Lee Willard	<u>Lee Willard</u>	Ditcher Drilling
DALE HARRIS	<u>Dale Harris</u>	SANDIS, Humber, Jones
ETH HARRIS	<u>Eth Harris</u>	SANDIS, HUMBER, JONES
DARRYL BOND	<u>Darryl L. Bond</u>	

Instructor/s:

WEAT VIDEOS Administered by Connie Conway

To: Jennifer Jones

Very Important

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING

SIGN-IN SHEET  
(Biology, Archaeology, & Paleontology)

DATE: 3/14/03

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

DS-Received  
Found

PCS

DS-Received

Name (print)	Name (signature)	Company
Brian Lefren	Brian Lefren	Foundation
Nedra Neal	Nedra Neal	Foundation Contractors
Jaimie Cardo	Jaimie Cardo	P.C.S
Gustavo Enriquez	Gustavo Enriquez	P.C.S
JOSE GARCIA	Jose Garcia	P.C.S.
Gregorio Martinez	Gregorio Martinez	P.C.S
HUGO GUERRERO	Hugo Guerrero	P.C.S
Tony Trinade	Tony Trinade	BCP
Michael Barnes	Michael Barnes	BCP
JASON Maynard	JASON Maynard	BCP

Instructor/s:

WEAT VIDEO (Administered by Connie Connolly)

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING

SIGN-IN SHEET  
(Biology, Archaeology, & Paleontology)

DATE: MARCH 19 2003

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.

	Name (print)	Name (signature)	Company	
33	Matt Smith	<u>Matt Smith</u>	CPA	6023
34	GARY MARLESKY	<u>Gary Marlesky</u>	CH2MHILL	602
35-6	JAMILA JANESKA	<u>Jamilia Janeska</u>	CH2MHILL	602
36-7	MICHAEL FEES	<u>Michael Fees</u>	CALPINE GILROY	602
37-8	Mark Breen	<u>Mark Breen</u>	Calpine	602

Instructor/s:

WEAT VIDEO (Administered by VIDEO )

K. O'Carroll

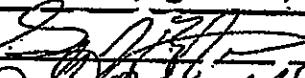
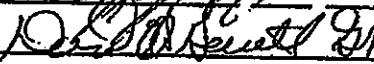
METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 3/24/03

PLEASE NOTE:

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

Name (print)	Name (signature)	Company
Greg Berflesmon		STL
DAVID D. GARNETT SR		Top Grade

Instructor/s:

WEAT VIDEO (Administered by K.D. Kane )

METCALF ENERGY CENTER  
ENVIRONMENTAL TRAINING  
SIGN-IN SHEET  
(*Biology, Archaeology, & Paleontology*)

DATE: 3/25/03

PLEASE NOTE:

*By signing below, I acknowledge that I have attended the Worker Environmental Awareness Training Program for the Metcalf Energy Center Project, and I agree to comply with all the environmental requirements presented.*

Name (print)	Name (signature)	Company
Leah Welliver	Leah Welliver	Signet

Instructor/s:

WEAT VIDEO (Administered by K.O'Kane )

## **APPENDIX C**

---

### **Wildlife Observation Forms**

Figure B-1. Wildlife Observation Form

WILDLIFE OBSERVATION FORM	
<b>To Record Animals Found In Metcalf Energy Center Project Areas</b>	
To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.	
Name of employee: Todd Ellwood	
Date: 3/4/03	
Location of observation: MEC main site, West of the cooling towers pad	
Condition of wildlife: alive <input type="checkbox"/> dead <input checked="" type="checkbox"/>	
Species: California vole	
Possible cause of injury or death: Ran over by blader machine	
Where is the animal currently? Carcass moved to the Fisher Creek Riparian Corridor	
Is the resource in danger of project (or other) impacts? No	
Comments: Rodent unearthed and killed by a blader. Workers cooperated fully allowing the Biological Monitor to remove the carcass before work resumed in that area.	
Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife and vegetation from construction impacts.	
DESIGNATED BIOLOGIST: Debra Crowe (916) 920-0212 ext. 385	
BIOLOGICAL FIELD MONITOR: Todd Ellwood (408) 839-2402	
COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600, Sacramento, CA 95833	
USFWS CONTACT: Cecilia Brown (916) 414-6625	
CDFG CONTACT: Mark Imsdahl (707) 944-5512	

Figure B-1. Wildlife Observation Form

WILDLIFE OBSERVATION FORM	
<b>To Record Animals Found In Metcalf Energy Center Project Areas</b>	
To be filled out by personnel who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.	
Name of employee:	Todd Ellwood
Date:	3/4/03
Location of observation:	MEC main site, west of cooling towers pad
Condition of wildlife:	alive <input checked="" type="checkbox"/> dead <input type="checkbox"/>
Species:	California vole
Possible cause of injury or death:	N/A
Where is the animal currently?	Biological monitor carried rodent away from the work area to the Fisher Creek Riparian Corridor.
Is the resource in danger of project (or other) impacts?	No, unless resource re-enters work site.
Comments:	Rodent was unearthed during grading of a previously undisturbed area. These activities occurred within the project boundary.
Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife and vegetation from construction impacts.	
DESIGNATED BIOLOGIST: Debra Crowe (916) 920-0212 ext. 385	
BIOLOGICAL FIELD MONITOR: Todd Ellwood (408) 839-2402	
COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600, Sacramento, CA 95833	
USFWS CONTACT: Cecilia Brown (916) 414-6625	
CDFG CONTACT: Mark Imsdahl (707) 944-5512	

## **APPENDIX D**

---

### **Photographs**

3/11/2003



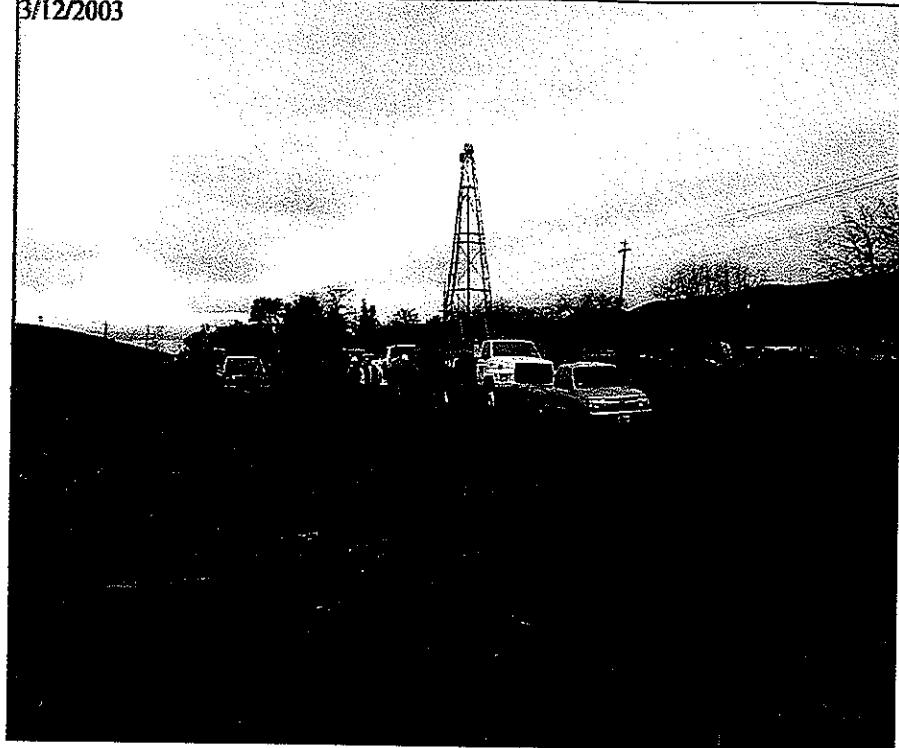
**Re-Bar Installation and Concrete Pouring in Piles**

3/4/2003



**Foundation Re-Contouring for Temporary Access Road**

3/12/2003



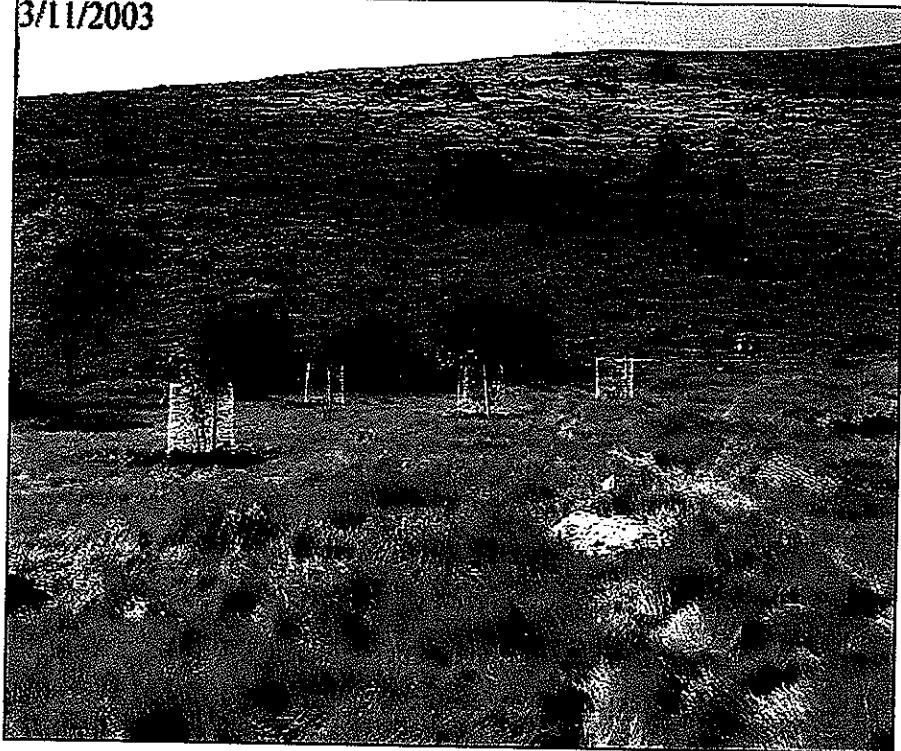
**Geo-Technical Drill**

3/5/2003



**Preserve Enhancement Planting**

3/11/2003



**Enhancement Plantings with Herbivore Shields**



**Main Site and Enhancement Area 1**



**Enhancement Area 2**

**CONDITION OF CERTIFICATION CUL-7  
WEEKLY SCHEDULES**

**METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #18**

CBO001	CBO Review Feed Water Pump Piles	30SEP02A	31OCT02A	
CBO002	CBO Review Steam Turbine Pedestal Piles	04OCT02A	28OCT02A	
CBO005	CBO Review ST Platform Piles	29OCT02A	12NOV02A	CBO Review ST Platform Piles
CBO027	CBO Review Combustion Turbine	04NOV02A	20DEC02A	CBO Review Combustion Turbine
CBO003	CBO Review Cooling Tower Pump Pit Piles	05NOV02A	20NOV02A	CBO Review Cooling Tower Pump Pit Piles
CBO004	CBO Review Cooling Tower Inlet Header Piles	05NOV02A	14NOV02A	CBO Review Cooling Tower Inlet Header Piles
CBO006	CBO Review HRSG Piles	08NOV02A	05DEC02A	CBO Review HRSG Piles
CBO008	CBO Review ST GSU Piles	02DEC02A	08DEC02A	CBO Review ST GSU Piles
CBO011	CBO Review Pipe Rack Piles	02DEC02A	20DEC02A	CBO Review Pipe Rack Piles
CBO012	CBO Review Screen Wall Piles	24JAN03A	20MAR03A	CBO Review Screen Wall Piles
CBO013	CBO Review Ammonia Storage Piles	04APR03	24APR03	CBO Review Ammonia Storage Piles
CBO014	CBO Review Raw Water Tank Piles	04APR03	24APR03	CBO Review Raw Water Tank Piles
CBO015	CBO Review Demin Water Tank Piles	14APR03	02MAY03	CBO Review Demin Water Tank Piles
CBO016	CBO Review Gas Compressor Piles	22APR03	12MAY03	CBO Review Gas Compressor Piles
CBO017	CBO Review Fire Water Pump Piles	29APR03	19MAY03	CBO Review Fire Water Pump Piles
CCMC10020	Material Receiving	23JUN02A	07NOV02A	Material Receiving
CCMC10040	Elevate the Various Enclosures	28OCT02A	07NOV02A	Elevate the Various Enclosures
CCMC10050	Install Hazardous Material Connex	07NOV02A	07NOV02A	Install Hazardous Material Connex
CCMC10060	Design Temp Storm Water System	12NOV02A	25NOV02A	Design Temp Storm Water System
CCMC10010	Review and Approve Support of Excavation Design	19NOV02A	22NOV02A	Review and Approve Support of Excavation Design
CCMC10070	Receive ST Generator Enclosure	02DEC02A	08DEC02A	Receive ST Generator Enclosure
CCMC10090	Receive Storm Water Outfall Permits	03DEC02A	03DEC02A	Receive Storm Water Outfall Permits
CCMC10160	Receive ST Generator CPSL	05DEC02A	10DEC02A	Receive ST Generator CPSL
CCMC10150	Resubmit Support of Excavation Design	20DEC02A	23DEC02A	Resubmit Support of Excavation Design
CCMC10090	Receive ST LP Outer Cylinder	21JAN03A	21JAN03A	Receive ST LP Outer Cylinder
CCMC10080	Receive ST Generator	15JUL03*	17JUL03	Receive ST Generator
CCMC10120	Receive ST Condenser			Receive ST Condenser
CVL0010	Pile Cooling Tower	21OCT02A	19NOV02A	Pile Cooling Tower
CVL00120	Weld 18" - 40' Piles Onsite	23OCT02A	19DEC02A	Weld 18" - 40' Piles Onsite
CVL00030	Pile Cooling Tower Pump Pit	13NOV02A	02DEC02A	Pile Cooling Tower Pump Pit
CVL00040	Pile Cooling Tower Inlet Header	15NOV02A	20NOV02A	Pile Cooling Tower Inlet Header
CVL00080	Pile Steam Turbine Platform	25NOV02A	31DEC02A	Pile Steam Turbine Platform
CVL00020	Pile Steam Turbine Pedestal	26NOV02A	03JAN03A	Pile Steam Turbine Pedestal
CVL00160	Weld 18" Cutoff Piles	20DEC02A	31JAN03A	Weld 18" Cutoff Piles
CVL00100	Order Additional 16" and 18" Pile	30DEC02A	31DEC02A	Order Additional 16" and 18" Pile
CVL00050	Pile First Third of ST GSU	06JAN03A	09JAN03A	Pile First Third of ST GSU
Start Date	13MAY02			METs
Finish Date	17JUL03			
Data Date	03APR03			Progress Bar
Run Date	03APR03 12:42			Critical Activity

Sheet 1 of 4

Date	Revision	Checked	Approved

MEC 3 Week Rolling Schedule

Rolling 3 Week Schedule

Task ID	Description	Start Date	End Date	Duration	Notes
CVL00090	Pile Combustion Turbine	09JAN03A	31JAN03A	22D	■ Pile Combustion Turbine
CVL00060	Pile Second Third of ST GSU	13JAN03A	15JAN03A	2D	■ Pile Second Third of ST GSU
CVL00070	Pile HRSG #1 Pipe Rack	16JAN03A	16JAN03A	0D	■ Pile HRSG #1 Pipe Rack
CVL00220	Pile Last Third of ST GSU	20JAN03A	23JAN03A	3D	■ Pile Last Third of ST GSU
CVL00270	Mobilize Foundation Constructors	10FEB03A	14FEB03A	4D	■ Mobilize Foundation Constructors
CVL00240	Pile HRSG #2 Pipe Rack	17FEB03A	14MAR03A	27D	■ Pile HRSG #2 Pipe Rack ■ Cut off Pile In ST - GSU ■ Tie 14" Rebar For Powerblock ■ Pile Interconnection Pipe Rack ■ Ties Rebar for ST GSU ■ Tie 18" Rebar
CVL00310	Cut off Pile In ST - GSU	17FEB03A	20FEB03A	3D	■ Pile Interconnection Pipe Rack ■ Ties Rebar for ST GSU ■ Tie 18" Rebar
CVL00342	Tie 14" Rebar For Powerblock	17FEB03A	05MAY03	88D	■ Pile Interconnection Pipe Rack ■ Ties Rebar for ST GSU ■ Tie 18" Rebar
CVL00260	Pile Interconnection Pipe Rack	24FEB03A	27FEB03A	3D	■ Pile Interconnection Pipe Rack ■ Ties Rebar for ST GSU ■ Tie 18" Rebar
CVL00320	Ties Rebar for ST GSU	24FEB03A	25FEB03A	1D	■ Pile Interconnection Pipe Rack ■ Ties Rebar for ST GSU ■ Tie 18" Rebar
CVL00341	Tie 18" Rebar	24FEB03A	16APR03	42D	■ Pile Interconnection Pipe Rack ■ Ties Rebar for ST GSU ■ Tie 18" Rebar
CVL00350	Place Rebar in Tie Back Piles	24FEB03A	28FEB03A	4D	■ Pile Rebar in Tie Back Piles ■ Place Rebar cages in ST GSU ■ Place Rebar in Cooling Tower ■ Place Concrete in St GSU Piles ■ Place Rebar in Steam Turbine
CVL00330	Place Rebar cages in ST GSU	03MAR03A	07MAR03A	4D	■ Place Rebar cages in ST GSU ■ Place Rebar in Cooling Tower ■ Place Concrete in St GSU Piles ■ Place Rebar in Steam Turbine ■ Place Concrete In Tie Back Piles
CVL00357	Place Rebar in Cooling Tower	03MAR03A	24APR03	41D	■ Place Rebar in Cooling Tower ■ Place Concrete in St GSU Piles ■ Place Rebar in Steam Turbine ■ Place Concrete In Tie Back Piles ■ Pile HRSG #1
CVL00340	Place Concrete in St GSU Piles	11MAR03A	11MAR03A	0D	■ Place Rebar in Cooling Tower ■ Place Concrete in St GSU Piles ■ Place Rebar in Steam Turbine ■ Place Concrete In Tie Back Piles ■ Pile HRSG #1
CVL00345	Place Rebar in Steam Turbine	12MAR03A	18MAR03A	6D	■ Place Rebar in Cooling Tower ■ Place Concrete in St GSU Piles ■ Place Rebar in Steam Turbine ■ Place Concrete In Tie Back Piles ■ Pile HRSG #1
CVL00360	Place Concrete In Tie Back Piles	12MAR03A	12MAR03A	0D	■ Place Rebar in Cooling Tower ■ Place Concrete in St GSU Piles ■ Place Rebar in Steam Turbine ■ Place Concrete In Tie Back Piles ■ Pile HRSG #1
CVL00250	Pile HRSG #1	13MAR03A	04APR03	11D	■ Place Rebar in Cooling Tower ■ Place Concrete in St GSU Piles ■ Place Rebar in Steam Turbine ■ Place Concrete In Tie Back Piles ■ Pile HRSG #1
CVL00346	Place Concrete In Steam Turbine	19MAR03A	19MAR03A	0D	■ Place Rebar in Cooling Tower ■ Place Concrete in St GSU Piles ■ Place Rebar in Steam Turbine ■ Place Concrete In Tie Back Piles ■ Pile HRSG #1
CVL00353	Place Rebar In East Pipe Rack	28MAR03A	02APR03A	4D	■ Place Rebar in Cooling Tower ■ Place Concrete in St GSU Piles ■ Place Rebar in Steam Turbine ■ Place Concrete In Tie Back Piles ■ Pile HRSG #1
CVL00347	Place Rebar In Combustion Turbine	03APR03	04APR03	1D	■ Place Rebar in Cooling Tower ■ Place Concrete in St GSU Piles ■ Place Rebar in Steam Turbine ■ Place Concrete In Tie Back Piles ■ Pile HRSG #1
CVL00367	Place Concrete In Cooling Tower	03APR03	23APR03	20D	■ Place Rebar in Cooling Tower ■ Place Concrete in St GSU Piles ■ Place Rebar in Steam Turbine ■ Place Concrete In Tie Back Piles ■ Pile HRSG #1
CVL00363	Pour East Pipe Rack	04APR03	04APR03	0D	■ Place Rebar in Cooling Tower ■ Place Concrete in St GSU Piles ■ Place Rebar in Steam Turbine ■ Place Concrete In Tie Back Piles ■ Pile HRSG #1
CVL00130	Pile Architectural Screen Wall - HRSG #1	08APR03	08APR03	0D	■ Pour East Pipe Rack ■ Pile Architectural Screen Wall - HRSG #1
CVL00343	Tie 16" Rebar	08APR03	25APR03	17D	■ Pile Architectural Screen Wall - HRSG #1 ■ Tie 16" Rebar
CVL00110	Pile Architectural Screen Wall HRSG #2	08APR03	14APR03	6D	■ Pile Architectural Screen Wall HRSG #2 ■ Tie 16" Rebar
CVL00348	Place Concrete In Combustion Turbine	11APR03	14APR03	3D	■ Pile Architectural Screen Wall HRSG #2 ■ Place Concrete In Combustion Turbine ■ Pile Boiler Feed Water Pump
CVL00150	Pile Boiler Feed Water Pump	15APR03	15APR03	0D	■ Pile Boiler Feed Water Pump
CVL00170	Pile Ammonia Storage Tank	09MAY03	08MAY03	-1D	■ Pile Ammonia Storage Tank
CVL00180	Pile Raw Water Storage Tank	08MAY03	16MAY03	8D	■ Pile Raw Water Storage Tank
CVL00190	Pile Demin Water Storage Tank	19MAY03	26MAY03	7D	■ Pile Demin Water Storage Tank
CVL00200	Pile Gas Compressors	27MAY03	02JUN03	5D	■ Pile Gas Compressors
CVL00210	Pile Fire Water Pump House	03JUN03	04JUN03	1D	■ Pile Fire Water Pump House
ELEC0100	Install Temp Facility Elec System	10APR03	30APR03	20D	■ Install Temp Facility Elec System
BREI001	BREI Release Feed Water Pump Piles	27SEP02A	27SEP02A	0D	■ Early Bar
BREI002	BREI Release ST Pedestal Piles	03OCT02A	03OCT02A	0D	■ Progress Bar
BREI005	BREI Release ST Platform Piles	25OCT02A	25OCT02A	0D	■ Critical Activity
Start Date	13MAY02			MET3	
Finish Date	17JUL03				
Data Date	03APR03				
Run Date	03APR03 12:42				
Approved					

Sheet 2 of 4

Date \_\_\_\_\_

Revision \_\_\_\_\_

Checked \_\_\_\_\_

Approved \_\_\_\_\_

13MAY02  
17JUL03  
03APR03  
03APR03 12:42MET3  
27SEP02A  
03OCT02A  
25OCT02A  
Install Temp Facility Elec System  
MEC 3 Week Rolling Schedule

Rolling 3 Week Schedule

BREI027	Redesign the Storm Basin Riser	28OCT02A	15NOV02A	Redesign the Storm Basin Riser
BREI003	BREI Release Cooling Tower Pump Pit Piles	01NOV02A	01NOV02A	BREI Release Cooling Tower Inlet Header Piles
BREI004	BREI Release Cooling Tower Inlet Header Piles	01NOV02A	01NOV02A	BREI Release HRSG Piles
BREI006	BREI Release HRSG Piles	07NOV02A	07NOV02A	BREI Release HRSG Piles
BREI008	BREI Release ST GSU Piles	27NOV02A	27NOV02A	BREI Release ST GSU Piles
BREI011	BREI Release Pipe Rack Piles	27NOV02A	27NOV02A	BREI Release Pipe Rack Piles
BREI012	BREI Release Screen Wall Piles	20JAN03A	20JAN03A	BREI Release Screen Wall Piles
BREI013	BREI Release Ammonia Storage Piles	03APR03	03APR03	BREI Release Ammonia Storage Piles
BREI014	BREI Release Raw Water Tank Piles	03APR03	03APR03	BREI Release Raw Water Tank Piles
BREI015	BREI Release Demin Water Tank Piles	11APR03	11APR03	BREI Release Demin Water Tank Piles
BREI016	BREI Release Gas Compressor Piles	21APR03	21APR03	BREI Release Gas Compressor Piles
BREI017	BREI Release Fire Water Pump Piles	28APR03	28APR03	BREI Release Fire Water Pump Piles
ERTH00010	Construct the Storm Water Outfall	16SEP02A	18OCT02A	
ERTH00020	Touchup Hydroseed	04NOV02A	04NOV02A	Install Temp Storm Water Drainage System
ERTH00030	Install Temp Storm Water Drainage System	26NOV02A	09DEC02A	■ Cut Pipe Racks and HRSG to BOC
ERTH00040	Cut Pipe Racks and HRSG to BOC	28DEC02A	30DEC02A	■ Cut Pipe Racks and HRSG to BOC
ERTH00050	Cut Cooling Tower Heave to BOC	28DEC02A	27DEC02A	■ Cut Cooling Tower Heave to BOC
ERTH00080	Clean out CT Foundation Pit	27DEC02A	27DEC02A	■ Clean out CT Foundation Pit
ERTH00070	Cut First Third of STG GSU to BOC	03JAN03A	03JAN03A	■ Cut First Third of STG GSU to BOC
ERTH00100	CKD treat the project site	08JAN03A	09JAN03A	■ CKD treat the project site
ERTH00080	Cut Second Third of STG GSU to BOC	08JAN03A	09JAN03A	■ Cut Second Third of STG GSU to BOC
ERTH00060	Cut ST Pedestal to BOC	15JAN03A	15JAN03A	■ Cut ST Pedestal to BOC
ERTH00110	Cut Last Third of STG GSU to BOC	16JAN03A	16JAN03A	■ Cut Last Third of STG GSU to BOC
ERTH00120	Install Remainder of Construction Fence	04FEB03A	12FEB03A	■ Install Remainder of Construction Fence
ERTH00160	Cut ST GSU to BOC	26FEB03A	26FEB03A	■ Cut ST GSU to BOC
ERTH00130	Grade to Subgrade the Temp Facilities Area	03APR03*	23APR03	Grade to Subgrade the Temp Facilities Area
ERTH00140	Install Finish Grade Fabric and Rock	17APR03	07MAY03	Install Finish Grade Fabric and Rock
UGMECH0010	Design Support of Excavation	30OCT02A	18NOV02A	Design Support of Excavation
UGMECH0040	Mobilize for Support of Excavation	03DEC02A	09DEC02A	Mobilize for Support of Excavation
CVL00300	Install Sheet Piling System	10DEC02A	04MAR03A	Install Sheet Piling System
ERTH00150	Excavation of Water Circulation Pipe	03APR03	15APR03	Excavation of Water Circulation Pipe
UGMECH0090	Mobilize Circ Water Pipe Contractor	14APR03	16APR03	Mobilize Circ Water Pipe Contractor
UGMECH0050	Install the First Section of CW Supply Pipe	16APR03	01MAY03	Install the First Section of CW Supply Pipe
UGMECH0100	Install the First Section of CW Return Pipe	16APR03	08MAY03	Install the First Section of CW Return Pipe
UGMECH0110	Install the Second Section of CW Supply Pipe	02MAY03	27MAY03	Install the Second Section of CW Supply Pipe
UGMECH0120	Install the Second Section of CW Return Pipe	09MAY03	27MAY03	Install the Second Section of CW Return Pipe
UGMECH0130	Backfill The First Sections of CW Pipe	09MAY03	15MAY03	Backfill The First Sections of CW Pipe

Sheet 3 of 4

Start Date	Finish Date	Revision	Checked	Approved
13MAY02	17JUL03			
03APR03	03APR03			
03APR03 12:42				

- BREI Release Ammonia Storage Piles
- BREI Release Raw Water Tank Piles
- BREI Release Demin Water Tank Piles
- BREI Release Gas Compressor Piles
- BREI Release Screen Wall Piles
- BREI Release Fire Water Pump Piles

MEC 3 Week Rolling Schedule  
Rolling 3 Week Schedule

CVL00280	Remove the First Section of Sheet Piling	16MAY03	15MAY03
UGMECH0140	Backfill the Second Sections of CW Pipe	28MAY03	17JUN03
CVL00290	Remove the Second Section of Sheet Piling	18JUN03	01JUL03
SHDY0010	Assembly Gantry	17JAN03A	17JAN03A
SHDY0020	Disassemble Gantry	03APR03	03APR03

Remove the First Section of Sheet Piling  
Backfill the Second Sections of CW Pipe

Remove the Second Section of Sheet Piling

Assembly Gantry  
Disassemble Gantry

CVL00280	Remove the First Section of Sheet Piling	16MAY03	15MAY03
UGMECH0140	Backfill the Second Sections of CW Pipe	28MAY03	17JUN03
CVL00290	Remove the Second Section of Sheet Piling	18JUN03	01JUL03
SHDY0010	Assembly Gantry	17JAN03A	17JAN03A
SHDY0020	Disassemble Gantry	03APR03	03APR03

Remove the First Section of Sheet Piling  
Backfill the Second Sections of CW Pipe

Remove the Second Section of Sheet Piling

Assembly Gantry  
Disassemble Gantry

Start Date  
Finish Date  
Data Date  
Run Date

13MAY02  
17JUL03  
03APR03  
03APR03 12:42

Early Bar  
Progress Bar  
Critical Activity

Sheet 4 of 4  
Date Revision Checked Approved

MEC 3 Week Rolling Schedule  
Rolling 3 Week Schedule

Sheet 4 of 4

**CONDITION OF CERTIFICATION PAL-4**  
**PALEO MONTHLY SUMMARY REPORT**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #18

**Metcalf Energy Center Project  
Paleontological Resource Monitoring and Mitigation Program**

**Monthly Report**

**Project Name:** Metcalf Energy Center (MEC)

**Project Number:** 01-17

**Clients:** Calpine/CH2M Hill

**Month:** March 2003

**Designated Paleontological Resource Specialist:** Dr. Lanny H. Fisk, PhD, RG

**Monthly Report for March 2003:**

*During the month of March 2003, PaleoResource Consultants (PRC) continued to work with Calpine Corporation through its environmental consultants, CH2M Hill, to mitigate any potential adverse impacts to paleontological resources (fossils) which might result from construction of the Metcalf Energy Center (MEC) and associated linear facilities (including a natural gas pipeline, cooling-water supply line, and electrical transmission line) all located in south San Jose, California. In its Conditions of Certification (COCs) for MEC, the California Energy Commission (CEC) mandated that Calpine adopt Society of Vertebrate Paleontology (SVP) standard guidelines for the mitigation of construction-related adverse impacts on paleontological resources. In compliance with SVP standard guidelines, in September 2002 we recommended reducing paleontological monitoring at the MEC plant site to only spot checking specific deep excavations that would impact previously undisturbed sediment. The CEC approved this reduced monitoring plan.*

*During March 2003, the only deep excavations requiring monitoring consisted of sixteen (16) geotechnical holes augered to a maximum depth of eighteen (18) feet. While monitoring augering, PRC paleontological monitor Jaspal Saini discovered no megafossils. He did, however, collect several samples of silty clay judged likely to produce microfossils. These samples will be retained for possible later processing if either megafossils are discovered from these depths or these sediments are judged likely to provide significant information on paleoenvironments during late Pleistocene ("Ice Age") to early Holocene time.*

*Excavations for the natural-gas pipeline, cooling-water pipeline, and electrical transmission line are not scheduled to start until later. Full-time paleontological monitoring will be done at the beginning of excavations for each of these linear facilities. Then, in compliance with SVP standard guidelines, once one-half the excavations for each of these facilities is completed and if no significant fossils have been discovered, monitoring will be reduced to half-time, quarter-time, spot-checking, or suspended entirely. As startup of construction for these portions of the project nears, Calpine will contact PRC with specific dates.*

*Calpine Environmental Compliance Manager Kristen O'Kane continues to notify us regarding any scheduled excavations that would impact previously undisturbed sediments, asking if we think that paleontological monitoring is necessary. In most cases, since these excavations would only impact a few feet of undisturbed sediments and since paleontological resources have not previously been discovered at such shallow depths, we have responded that, in our professional opinion, no monitoring is necessary. However, PRC paleontological monitors are available and "on-call" to monitor or spot check any deeper excavations at the MEC plant site or other earth-moving activities related to the MEC project.*

**CONDITION OF CERTIFICATION SOCIO-1**  
**LIST OF PLANNED PROCUREMENT**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #18

SOCIO-1: List of planned procurement of materials or hiring outside the local regional area during the next two months.

<b>Material/equipment</b>	<b>Manufacturer</b>	<b>Point of Origin</b>	<b>Reason</b>
Sample panel for water treatment system	Out for bid		
Miscellaneous horizontal pumps	Out for bid		
Closed cooling water heat exchanger	Out for bid		
Continuous emissions monitoring system	Out for bid		
Oil and water separator	Out for bid		
Standby generator	Out for bid		
Fire pumps	Out for bid		
Shop fabricated tanks	Out for bid		

**CONDITION OF CERTIFICATION GEN-6**  
**SPECIAL INSPECTOR APPROVAL**

METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #18



Power Plant CBO Team  
Metcalf Energy Center  
San Jose, California

March 20, 2003

## DISPOSITION

**Metcalf Energy Center**  
1 Blanchard Road  
San Jose, CA 95013

**Attention: Nicholas LaPorte, Project Manager**

Subject: CEC Docket No.: (99-AFC-3)  
Condition of Certification: GEN-6  
CBO Project No.: MEC 13254  
Submittal Dated: February 4, 2003

Gentlemen,

The CBO has reviewed the above referenced submittal and provides the following disposition, conditioned upon Note(s) as stated:

**Special Inspector: Robert Bigford:** APPROVED (see note 1)

**Special Inspector: Julio Pescador:** APPROVED (see note 1)

**Note 1:** Copy of Certifications of the inspectors shall be provided.

Sincerely,

For: **Donald C. Wimberly, P.E.**  
Delegate Chief Building Official  
Willdan/AIMS CORPORATION

**Hans (G.J.) Kosten**  
Deputy CBO  
Willdan/AIMS CORPORATION

Copy: Kristen O'Kane – Calpine CMCI  
Kevin Deters – Calpine CMCI  
Barbara Hatt – Calpine CMCI (Doc. Control)

CBO file: Bart Brierty

**CONDITION OF CERTIFICATION CUL-10**  
**CALTRANS ENCROACHMENT PERMIT**

**METCALF ENERGY CENTER**  
**MONTHLY COMPLIANCE REPORT #18**

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION  
ENCROACHMENT PERMIT RIDER  
TR-0122 (REV 3/92)

ORIGINAL

CR

FEB 20 2003

Collected by	Permit No. (Original)
	0402-6UJ0394
Rider Fee Paid	DST/Co/Rte/PM
\$	04-SCL-101 23.6
Date	Rider Number
February 11, 2003	0403-6RT0296

TO:  Metcalf Energy Center LLC  
P.O. Box 13190  
San Jose, CA 95013

Attn: Mark Smolley  
Phone: (408) 361 4805

, PERMITTEE

In compliance with your request of February 5, 2003, we are hereby amending the above numbered encroachment permit as follows:

Date of completion extended to August 31, 2004.

Reference your project to install a 16" gas main by bore and jack method under and across State Highway 04-SCL-101, Post Mile 23.6, in the City of San Jose.

A minimum of one week prior to the start of work under this permit, notice shall be given and advance approval of construction detail, operation, public safety and traffic control shall be obtained from State Representative, J. Wong, 500 Queens Lane, San Jose 95112, (408) 452 7131, weekdays, between 7:30 AM and 4:00 PM.

All permitted work requires the permittee to apply for and obtain a work authorization number prior to the start of work. See the attached "Encroachment Permit Project Work Scheduling Procedures" and the attached "Permit Project Work Scheduling Request Form". Additional time beyond the minimum seven day advanced notice required in the above paragraph may be required for obtaining approval.

Except as amended, all other terms and provisions of the original permit shall remain in effect.

APPROVED:

BIJAN SARTIPI, District Director  
BY:

S. S. NOZZARI, District Permit Engineer

STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION  
ENCROACHMENT PERMIT GENERAL PROVISIONS  
TR-0045 (REV. 8/98)

1. **AUTHORITY:** The Department's authority to issue encroachment permits is provided under, Div. 1, Chpt. 3, Art. 1, Sect. 660 to 734 of the Streets and Highways Code.
2. **REVOCAION:** Encroachment permits are revocable on five days notice unless otherwise stated on the permit and except as provided by law for public corporations, franchise holders, and utilities. These General Provisions and the Encroachment Permit Utility Provisions are subject to modification or abrogation at any time. Permittee's joint use agreements, franchise rights, reserved rights or any other agreements for operating purposes in State highway right of way are exceptions to this revocation.
3. **DENIAL FOR NONPAYMENT OF FEES:** Failure to pay permit fees when due can result in rejection of future applications and denial of permits.
4. **ASSIGNMENT:** No party other than the permittee or permittee's authorized agent is allowed to work under this permit.
5. **ACCEPTANCE OF PROVISIONS:** Permittee understands and agrees to accept these General Provisions and all attachments to this permit, for any work to be performed under this permit.
6. **BEGINNING OF WORK:** When traffic is not impacted (see Number 35), the permittee shall notify the Department's representative, two (2) days before the intent to start permitted work. Permittee shall notify the Department's Representative if the work is to be interrupted for a period of five (5) days or more, unless otherwise agreed upon. All work shall be performed on weekdays during regular work hours, excluding holidays, unless otherwise specified in this permit.
7. **STANDARDS OF CONSTRUCTION:** All work performed within highway right of way shall conform to recognized construction standards, and current Department Standard Specifications, Department Standard Plans High and Low Risk Facility Specifications, and Utility Special Provisions. Where reference is made to "Contractor and Engineer," these are amended to be read as "permittee and Department representative."
8. **PLAN CHANGES:** Changes to plans, specifications, and permit provisions are not allowed without prior approval from the State representative.
9. **INSPECTION AND APPROVAL:** All work is subject to monitoring and inspection. Upon completion of work, permittee shall request a final inspection for acceptance and approval by the Department. The local agency permittee shall not give final construction approval to its contractor until final acceptance and approval by the Department is obtained.
10. **PERMIT AT WORKSITE:** Permittee shall keep the permit package or a copy thereof, at the work site and show it upon request to any Department representative or law enforcement officer. If the permit package is not kept and made available at the work site, the work shall be suspended.
11. **CONFLICTING ENCROACHMENTS:** Permittee shall yield start of work to ongoing, prior authorized, work adjacent to or within the limits of the project site. When existing encroachments conflict with new work, the permittee shall bear all cost for rearrangements, (e.g., relocation, alteration, removal, etc.).
12. **PERMITS FROM OTHER AGENCIES:** This permit is invalidated if the permittee has not obtained all permits necessary and required by law, from the Public Utilities Commission of the State of California (PUC), California Occupational Safety and Health Administration (Cal-OSHA), or any other public agency having jurisdiction.
13. **PEDESTRIAN AND BICYCLIST SAFETY:** A safe minimum passageway of 1.21 meter (4') shall be maintained through the work area at existing pedestrian or bicycle facilities. At no time shall pedestrians be diverted onto a portion of the street used for vehicular traffic. At locations where safe alternate passageways cannot be provided, appropriate signs and barricades shall be installed at the limits of construction and in advance of the limits of construction at the nearest crosswalk or intersection to detour pedestrians to facilities across the street.
14. **PUBLIC TRAFFIC CONTROL:** As required by law, the permittee shall provide traffic control protection warning signs, lights, safety devices, etc., and take all other measures necessary for traveling public's safety. Day and night time lane closures shall comply with the Manuals of Traffic Controls, Standard Plans, and Standard
15. **MINIMUM INTERFERENCE WITH TRAFFIC:** Permittee shall plan and conduct work so as to create the least possible inconvenience to the traveling public; traffic shall not be unreasonably delayed. On conventional highways, permittee shall place properly attired flagger(s) to stop or warn the traveling public in compliance with the Manual of Traffic Controls and Instructions to Flaggers Pamphlet.
16. **STORAGE OF EQUIPMENT AND MATERIALS:** Equipment and material storage in State right of way shall comply with Standard Specifications, Standard Plans, and Special Provisions. Whenever the permittee places an obstacle within 3.63 m (12') feet of the traveled way, the permittee shall place temporary railing (Type K).
17. **CARE OF DRAINAGE:** Permittee shall provide alternate drainage for any work interfering with an existing drainage facility in compliance with the Standard Specifications, Standard Plans and/or as directed by the Department's representative.
18. **RESTORATION AND REPAIRS IN RIGHT OF WAY:** Permittee is responsible for restoration and repair of State highway right of way resulting from permitted work (State Streets and Highways Code, Sections 670 et seq.).
19. **RIGHT OF WAY CLEAN UP:** Upon completion of work, permittee shall remove and dispose of all scrap, brush, timber, materials, etc. off the right of way. The aesthetics of the highway shall be as it was before work started.
20. **COST OF WORK:** Unless stated in the permit, or a separate written agreement, the permittee shall bear all costs incurred for work within the State right of way, and waives all claims for indemnification or contribution from the State.
21. **ACTUAL COST BILLING:** When specified in the permit, the Department will bill the permittee actual costs at the currently set hourly rate for encroachment permits.
22. **AS-BUILT PLANS:** When required, permittee shall submit one (1) set of as-built plans in compliance with Department's requirements. Plans shall be submitted within thirty (30) days after completion and approval of work.  
  
As-Built plans or accompanying correspondence shall not include disclaimer statements of any kind. Such statements shall constitute non-compliance with these provisions. Failure to provide complete and signed As-Built plans shall be cause for bond or deposit retention by the Department.
23. **PERMITS FOR RECORD PURPOSES ONLY:** When work in the right of way is within an area under a Joint Use Agreement (JUA) or a Consent to Common Use Agreement (CCUA), a fee exempt permit is issued to the permittee for the purpose of providing a notice and record of work. The Permittee's prior rights shall be preserved without the intention of creating new or different rights or obligations. "Notice and Record Purposes Only" shall be stamped across the face of the permit.
24. **BONDING:** The permittee shall file bond(s), in advance, in the amount set by the Department. Failure to maintain bond(s) in full force and effect will result in the Department stopping or all work and revoking permit(s). Bonds are not required of public corporations or privately owned utilities, unless permittee failed to comply with the provision and conditions under a prior permit. The surety company is responsible for any latent defects as provided in California Code of Civil Procedures, Section 337.15. Local agency permittee shall comply with requirements established as follows: In recognition that project construction work done on State property will not be directly funded and paid by State, for the purpose of protecting stop notice claimants and the interests of State relative to successful project completion, the local agency permittee agrees to require the construction contractor furnish both a payment and performance bond in the local agency's name with both bonds complying with the requirements set forth in Section 3-1.02 of State's current Standard Specifications before performing any project construction work. The local agency permittee shall defend, indemnify, and hold harmless the State, its officers and employees from all project construction related claims by contractors and all stop notice or mechanic's lien claimants. The local agency also agrees to remedy, in a timely manner and to State's satisfaction, any latent defects occurring as a result of the project construction work.
25. **FUTURE MOVING OF INSTALLATIONS:** Permittee understands and agrees to rearrange a permitted installation upon request by the Department, for State construction, reconstruction, or maintenance

work on the highway. The permittee at his sole expense, unless under a prior agreement, JUA, or a CCUA, shall comply with said request.

26. **ARCHAEOLOGICAL/HISTORICAL:** If any archaeological or historical resources are revealed in the work vicinity, the permittee shall immediately stop work, notify the Department's representative, retain a qualified archaeologist who shall evaluate the site, and make recommendations to the Department representative regarding the continueance of work.

27. **PREVAILING WAGES:** Work performed by or under a permit may require permittee's contractors and subcontractors to pay appropriate prevailing wages as set by the Department of Industrial Relations. Inquiries or requests for interpretations relative to enforcement of prevailing wage requirements are directed to State of California, Department of Industrial Relations, 525 Golden Gate Avenue, San Francisco, California 94102.

28. **RESPONSIBILITY FOR DAMAGE:** The State of California and all officers and employees thereof, including but not limited to the Director of Transportation and the Deputy Director, shall not be answerable or accountable in any manner for injury to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or for damage to property from any cause. The permittee shall be responsible for any liability imposed by law and for injuries to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or for damage to property arising out of work, or other activity permitted and done by the permittee under a permit, or arising out of the failure on the permittee's part to perform his obligations under any permit in respect to maintenance or any other obligations, or resulting from defects or obstructions, or from any cause whatsoever during the progress of the work, or other activity or at any subsequent time, work or other activity is being performed under the obligations provided by and contemplated by the permit.

The permittee shall indemnify and save harmless the State of California, all officers, employees, and State's contractors, thereof, including but not limited to the Director of Transportation and the Deputy Director, from all claims, suits or actions of every name, kind and description brought for or on account of injuries to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee and the public, or damage to property, resulting from the performance of work or other activity under the permit, or arising out of the failure on the permittee's part to perform his obligations under any permit in respect to maintenance or any other obligations, or resulting from defects or obstructions, or from any cause whatsoever during the progress of the work, or other activity or at any subsequent time, work or other activity is being performed under the obligations provided by and contemplated by the permit, except as otherwise provided by statute.

The duty of the permittee to indemnify and save harmless includes the duties to defend as set forth in Section 2778 of the Civil Code. The permittee waives any and all rights to any type of expressed or implied indemnity against the State, its officers, employees, and State contractors. It is the intent of the parties that the permittee will indemnify and hold harmless the State, its officers, employees, and State's contractors, from any and all claims, suits or actions as set forth above, regardless of the existence or degree of fault or negligence, whether active or passive, primary or secondary, on the part of the State, the permittee, persons employed by the permittee, or acting on behalf of the permittee.

For the purpose of this section, "State's contractors" shall include contractors and their subcontractors under contract to the State of California performing work within the limits of this permit.

29. **NO PRECEDENT ESTABLISHED:** This permit is issued with the understanding that it does not establish a precedent.

30. **FEDERAL CIVIL RIGHTS REQUIREMENTS FOR PUBLIC ACCOMMODATION:**

A. The permittee, for himself, his personal representative, successors in interest, and assigns as part of the consideration hereof, does hereby covenant and agree that:

1. No person on the grounds of race, color, or national origin shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities.

2. That in connection with the construction of any improvements on said lands and the furnishing of services thereon, no discrimination shall be practiced in the selection and retention of first-tier subcontractors in the selection of second-tier subcontractors.

3. That such discrimination shall not be practiced against the public in their access to and use of the facilities and services provided for

public accommodations (such as eating, sleeping, rest, recreation), and operation on, over, or under the space of the right of way.

4. That the permittee shall use the premises in compliance with all other requirements imposed pursuant to Title 15, Code of Federal Regulations, Commerce and Foreign Trade, Subtitle A, Office of the Secretary of Commerce, Part 8 (15 CFR, Part 8) and as said Regulations may be amended.

B. That in the event of breach of any of the above nondiscrimination covenants, the State shall have the right to terminate the permit and to re-enter and repossess said land and the land and the facilities thereon, and hold the same as if said permit had never been made or issued.

31. **MAINTENANCE OF HIGHWAYS:** The permittee agrees, by acceptance of a permit, to properly maintain any encroachment. This assurance requires the permittee to provide inspection and repair any damage, at permittee's expense, to State facilities resulting from the encroachment.

32. **SPECIAL EVENTS:** In accordance with subdivision (a) of Streets and Highways Code Section 682.5, the Department of Transportation shall not be responsible for the conduct or operation of the permitted activity, and the applicant agrees to defend, indemnify, and hold harmless the State and the city or county against any and all claims arising out of any activity for which the permit is issued.

Permittee understands and agrees that it will comply with the obligations of Titles II and III of the Americans with Disabilities Act of 1990 in the conduct of the event, and further agrees to indemnify and save harmless the State of California, all officers and employees thereof, including but not limited to the Director of Transportation, from any claims or liability arising out of or by virtue of said Act.

33. **PRIVATE USE OF RIGHT OF WAY:** Highway right of way shall not be used for private purposes without compensation to the State. The giving of public property use and therefore public funds is prohibited under the California Constitution, Article 16.

34. **FIELD WORK REIMBURSEMENT:** Permittee shall reimburse State for field work performed on permittee's behalf to correct or remedy hazards or damaged facilities, or clear debris not attended to by the permittee.

35. **Notification of Department and TMC:** The permittee shall notify the Department's representative and the Traffic Management Center (TMC) at least 7 days before initiating a lane closure or conducting an activity that may cause a traffic impact. A confirmation notification should occur 3 days before closure or other potential traffic impacts. In emergency situations when the corrective work or the emergency itself may affect traffic, TMC and the Department's representative shall be notified as soon as possible.

36. **Underground Service Alert (USA) Notification:** Any excavation requires compliance with the provisions of Government Code Section 4216 et. seq., including, but not limited to notice to a regional notification center, such as Underground Service Alert (USA). The permittee shall provide notification at least 48 hours before performing any excavation work within the right of way.



## Encroachment Permit Project Work Scheduling Request Form

Requests for scheduling and approval of fieldwork shall be submitted, through the designated State representative, on this form via facsimile at 510-286-3960, or E-mail: Permit\_Duty\_Engineer@DOT.CA.GOV, by Noon on the Monday preceding the proposed work week.

1. Permit No.: \_\_\_\_\_ Expiration Date: \_\_\_\_\_ State Representative: \_\_\_\_\_
2. County/City: \_\_\_\_\_ County: \_\_\_\_\_ City: \_\_\_\_\_
3. Route Number: \_\_\_\_\_ Route: \_\_\_\_\_
4. Milepost/Kilopost: \_\_\_\_\_ From: \_\_\_\_\_ To: \_\_\_\_\_  Check here if info is in Kilopost
5. Describe Location: \_\_\_\_\_ From: \_\_\_\_\_ To: \_\_\_\_\_
6. Nearest Crossing/Landmark: \_\_\_\_\_
7. Permit Work Hours: \_\_\_\_\_
8. Requested Work Week: \_\_\_\_\_ From: \_\_\_\_\_ To: \_\_\_\_\_ (Enter maximum one-week period)
9. Total Available Lanes: \_\_\_\_\_
10. Traffic Control Needed:  Yes  No (Complete applicable portions of table below even with no traffic control)

NO.	DATE	DAY	TIME		DIR.	LANES							TRAFFIC CONTROL		CLOSURE No. ***		
			START (10-97)	END (10-98)		ALL	SHLDR	1	2	3	4	5	6	AUX	CD	ON-	OFF-
1.																	
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	

**\* NOTES:**

- Required DATE: Enter date (month/day/year) for which approval is requested.  
 for All DAY: Enter day of week (Mon., Tues., Wed., Thurs., Fri., Sat. or Sun.) for which approval is requested.  
 Requests TIME: Enter requested work hours, using 24-hour clock format (hh:mm). Requested hours must be consistent with permit provisions.
- Required DIR: Enter North, South, East, or West. Separate lane closure numbers are required for each direction of highway.  
 for Traffic LANES: Check lanes or portions of highway to be closed, including Shoulder (SHLDR), Auxiliary Lane (AUX), Center Divider(CD).  
 Control Lanes are numbered from left to right in the direction of traffic.  
 Requests \*\*RAMP: Check On- or Off-ramp and provide name and indicate below lanes closed if ramp includes more than one lane.  
 Only 1. Name \_\_\_\_\_  
 2. Name \_\_\_\_\_ Closing:  Lane(s) \_\_\_\_\_ or,  Complete  
 \*\*\*CLOSURE NO: To be provided by Caltrans after review and approval. Closing:  Lane(s) \_\_\_\_\_ or,  Complete

11. Description of work: \_\_\_\_\_

12. Detour: \_\_\_\_\_ (Required for full closure)

13. On-site CHP:  No  Yes (Check Yes if CHP will be on-site during work per prior arrangement.)

14. Comments:

Permittee:			
Address:			
24-hour or On-site	Name: _____	Facsimile: _____	
Contact-person	Telephone: _____	Pager: _____	Other: _____
Cellular: _____			

15. Contingency Plan: \_\_\_\_\_

16. While performing the approved work, Permittee shall notify Caltrans, via telephone at 510-286-6359, of th start (10-97) and completion (10-98) times of the work.



## **ENCROACHMENT PERMIT PROJECTS WORK SCHEDULING PROCEDURES**

1. The intent of these procedures is to help ensure public convenience by identifying planned closures on the State highway system, resolving potential conflicts, and disseminating all available real-time information to the California motorists via the internet, media, etc.
2. All permitted work (with or without traffic control) is subject to advance scheduling and approvals on a weekly basis.
3. Requests shall be submitted one week in advance for the weekly cycle. The one week in advance period is defined as the upcoming week that starts on Monday at Noon and ends Sunday at Midnight. Any closure that begins on upcoming Sunday and ends on the same day or on Monday must be requested on the prior week's submittal cycle.
4. Any requested traffic control shall be in conformance to that specified in the permit provisions or otherwise coordinated with the designated State representative in advance.
5. Requests for scheduling and approval of field work shall be submitted on attached form via facsimile at 510-286-3960, via E-mail to: Permit\_Duty\_Engineer@DOT.CA.GOV, or through the designated State representative.
6. Requests submitted with incomplete, illegible, or inaccurate information will be returned for correction. Assistance for completing the request form may be obtained from the designated State representative or via telephone at 510-286-4406.
7. All requests must include a contingency plan for restoring public traffic (i.e., reopening of a closed lane, ramp and/or shoulder) in the event of an equipment breakdown, shortage of or lack of production materials or any other failure which would otherwise delay restoring public convenience within the time limits specified in the permit. The contingency plan shall include availability of any proposed standby equipment and stockpiled materials that can be utilized for the immediate opening of closures, when ordered by the State representative. Acceptance of the contingency plan by the Engineer shall not relieve the Contractor from the requirement of opening the lane, ramp and shoulder closure to public traffic as specified in the lane closure hours section of the permit provisions.
8. Completed request forms shall be submitted on or before 12:00 Noon on Monday preceding the week during which work is to be scheduled.
9. The Permittee will be notified of approval or denial of the submitted request no later than 1:00 p.m. on Thursday of the week preceding the requested work schedule. When deemed necessary to ensure public convenience, Caltrans may deny or re-schedule the request.
10. Notification of approval shall be accompanied by a work authorization number, which must be provided to Caltrans at the time the scheduled work is performed.
11. Before, during, and after undertaking the approved traffic control, Permittee shall communicate with Caltrans/District Communication Center via telephone at 510-286-6359 as follows:
  - a. If for any reason the scheduled work is cancelled or delayed, Permittee shall contact Caltrans and relay: "Work number \_\_\_\_\_ is 10-22" and shall provide any requested information regarding the cancellation (e.g. inclement weather, breakdown of equipment, lack of personnel, rescheduling, unforeseen problems, etc.).
  - b. Prior to start of the approved work, Permittee shall contact Caltrans and relay: "Work number \_\_\_\_\_ is 10-97."
  - c. During the work, any unexpected occurrences including delayed openings, accidents, etc. shall be communicated to Caltrans.
  - d. Upon completion of the approved work, Permittee shall contact Caltrans and relay: "Work number \_\_\_\_\_ is 10-98."

## **COMPLIANCE MATRIX**

**METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #18**

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		1/14/2002				
START OF CONSTRUCTION		9/1/2002				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Status/Comments
AQ-1	Minimize emissions of carbon monoxide (CO) and nitrogen oxides (NOx) from S-1 and S-3 GTs; and S-2 and S-4 HRSGs.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report			
AQ-2	Tune combustors of S-1 & S-2 and S-4 HRSGs duct burners to minimize emissions of CO and NOx.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report			
AQ-3	Install, adjust, and operate A-1 and A-2 SCR systems to minimize emissions of CO and NOx from S-1 and S-3 GTs and S-2 and S-4 (HRSGs).	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report			
AQ-4	With steady-state operation of A-1& A-2 SCR systems shall comply with NOx and CO emission limitations.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report			
AQ-5	Submit plan to DPMO and CPM describing procedures to be followed during commissioning of GTs, HRSGs, and STGs.	At least 28 days prior to first firing of the gas turbines, submit a complete commissioning plan.	28 days prior to first fire of Gas Turbines			
AQ-6	Demonstrate compliance with conditions 8-10 through the use of properly operated and maintained CEMS and data recorders.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report			
AQ-7	Install, calibrate, operate District approved CEMS monitors prior to first firing of GT's and HRSGs.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report			
AQ-8	Total no. of firing hours for S-1 GT and S-2 HRSG without abatement of A-1 SCR shall not exceed 300 hours during commissioning.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to CPM.	Monthly Compliance Report			
AQ-9	Total no. of firing hours for S-3 GT and S-4 HRSG without abatement of A-3 SCR shall not exceed 300 hrs during commissioning period.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to the CPM.	Monthly Compliance Report			
AQ-10	Total mass emissions of NOx, CO, POC, PM10, and SO2 emitted by the GTs and HRSGs during the commissioning period shall accrue towards the consecutive 12-month emission limitations.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to the CPM.	Monthly Compliance Report			
AQ-11	Combined daily emissions from GTs and HRSGs shall not exceed the following during the commissioning period: NOx = 4405; CO = 11,498; POC = 495; PM10 = 468; SO2=42.	In the monthly compliance report indicate any violations of the emission limits	Monthly Compliance Report			
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMS to determine compliance with Condition 21.	20 working days before the execution of the source tests, submit to the District and CPM a detailed source test plan designed to satisfy the requirements of this condition.	20 days prior to source test per AQ-12			
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMS to determine compliance with Condition 21.	Source test results shall be submitted to the District and the CEC CPM within 30 days of the source testing date.	Within 30 days of source tests per AQ-12 complete			
AQ-12	Notify the District and the CEC CPM.	Within seven (7) working days prior to the planned testing date				

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Date	Date submitted to CPW/CBO	Date approved by CPW/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/1/2002						
AQ-13	GTs (S-1, S-3) and HRSG (S-2, S-4) shall be fired exclusively on natural gas. (BACT for SO <sub>2</sub> and PM10)	As part of the semianual Air Quality Reports, indicate the date, time, and duration of any violation of this condition.	Semianual Air Quality Reports				
AQ-14	Combined heat input rate of each power train (S-1 & S-2, S-3 & S-4) shall not exceed 2,124 MMBtu/hr (3-hour rolling average). (PSD for NO <sub>x</sub> )	As part of the Air Quality monthly Reports, include information on the date and time when the hourly fuel consumption exceeded this hourly limit.	Monthly Air Quality Reports				
AQ-15	Combined heat input rate of each power train (S-1 & S-2 and S-3 & S-4) shall not exceed 49,908 MMBtu/day (PSD for PM10)	As part of the Air Quality monthly Reports, include information on the date and time when the hourly fuel consumption exceeded this daily limit.	Monthly Air Quality Reports				
AQ-16	Combined cumulative heat input rate of GTs (S-1, S-3) and HRSGs (S-2, S-4) shall not exceed 35,274,060 MMBtu/hr. (Offsets)	As part of the Air Quality annual Reports, include information on the date and time when the annual cumulative fuel consumption exceeded this annual limit.	Annual Air Quality Reports				
AQ-17	HRSGs (S-2, S-4) duct burners shall not be fired unless associated GTs (S-1, S-3) are in operation. (BACT for NO <sub>x</sub> )	As part of the Air Quality Reports, include information on the date, time, and duration of any violation of this permit condition.	Monthly Air Quality Reports				
AQ-18	GT/HRSG (S-1/S-2) shall be abated by the A-1 SCR system whenever fuel is combusted in these units and the A-1 catalyst bed has reached min. operating temperature.	As part of the semianual Air Quality Reports, provide information on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction Systems for the Gas Turbines and HRSGs.	Semianual Air Quality Reports				
AQ-19	GT/HRSG (S-3/S-4) shall be abated by the A-2 SCR system whenever fuel is combusted in these units and the A-2 catalyst bed has reached min. operating temperature.	As part of the semianual Air Quality Reports, provide info. on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction Systems for the Gas Turbines and HRSGs.	Semianual Air Quality Reports				
AQ-20(a)	Emission requirements: Emission Point P-1 NO <sub>x</sub> = 19.2 lbs/hr [0.00904 lbs/MMBtu (HHV)] of nat. gas fired; Emission Point P-2 NO <sub>x</sub> = 19.2 lbs/hr [0.00904 lbs/MMBtu (HHV)] of nat. gas fired]. NO <sub>x</sub> Emission concentration = 2.5 ppmv (corrected to 15% O <sub>2</sub> ), 1-hr average [Emission Point P-1, P-2] (BACT for NO <sub>x</sub> ).	As part of the semianual Air Quality Reports, indicate the date, time, and duration of any violation. Include quantitative info. on the severity of the violation.	Semianual Air Quality Reports				
AQ-20(b)	CO mass emission = 28.07 lbs/hr (at any 3-hour rolling avg.) (Emission Point P-1, P-2).	Same as above	Semianual Air Quality Reports				
AQ-20(c)	When the heat input to a CT exceeds 700 MMBtu/hr (HHV), the CO emission concentration shall not exceed 6.0 ppmv on dry basis and the CO mass emission rate shall not exceed 0.0132 lbs/MMBtu at any 3-hr rolling average.	Same as above	Semianual Air Quality Reports				
AQ-20(d)	Ammonia (NH <sub>3</sub> ) emission concentration shall not exceed 5 ppmv on dry basis, at any 3-hour rolling avg. Ammonia injection rate to A-1, A-2 to be verified through continuous recording of rate.	Same as above	Semianual Air Quality Reports				
AQ-20(e)							

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submission Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
AQ-20(f)	Precursor organic compounds (POC) mass emissions (as CH4) shall not exceed 2.7 lbs/hr or 0.00126 lbs/MMBTU of natural gas fired. (Emission points P-1, P-2).	Same as above	Semiannual Air Quality Reports			
AQ-20(g)	Sulfur dioxide (SO 2) mass emissions at P-1, P-2 each shall not exceed 1.28 pounds per hour or 0 .0006 lb /MM BTU of natural gas fired. (BACT)	Same as above	Semiannual Air Quality Reports			
AQ-20(h)	PM10 mass emissions at P-1, P-2 each shall not exceed 9 pounds per hour or 0.00452 lb PM10/MM BTU. Particulate matter (PM10) mass emissions at P-1, P-2 each shall not exceed 12 pounds per hour or 0.00565 lb PM10/MM BTU, when HRSG duct burners are in operation.	Same as above	Semiannual Air Quality Reports			
AQ-21	GT (S-1, S-3) Start-up and Shutdown emission rates.	Same as above	Semiannual Air Quality Reports			
AQ-22	Not more than one GT (S-1, S-2) shall be in start-up mode at any one time. In the monthly compliance report indicate how this condition is being implemented.	In the monthly compliance report indicate how this condition is being implemented.	Monthly Compliance Report			
AQ-23	HRSGs and ducting shall be designed such that an oxidation catalyst shall be readily installed if deemed necessary by APCO to insure compliance with CO emissions rates.	In the semiannual compliance report indicate how this condition is being implemented	Semiannual Air Quality Reports			
AQ-24	Total combined emissions in lbs/day, from GTs and HRSGs (S-1, S-2, S-3, S-4), including start-up and shutdown.	As part of the semiannual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Semiannual Air Quality Reports			
AQ-25	Cumulative combined emissions in tons/any consecutive 12-month period, from GTs and HRSGs shall not exceed NOx = 123.4 (offsets), CO=588, POC=28 (offsets). PM10=91.3 (offsets), SO2=10.6 (cumulative increase).	As part of the semiannual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Semiannual Air Quality Reports			
AQ-26	Maximum projected combined annual toxic air contaminant emissions from GTs and HRSGs (S-1, S-2, S-3, S-4). (a) formaldehyde = 3,736 lbs/yr (b) Benzene = 480 lbs/yr (c) PAHs=22.8 lbs/yr	As part of the annual Air Quality Reports, indicate the date, duration, and severity of any violation including quantitative information on the severity of the violation.	Annual Air Quality Reports			
AQ-26	Perform health risk assessment using emission rates per BAACMD approved procedures and submit risk analysis to District and CPM.	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation or submit risk analysis to District and CPM.	Within 60 days of source test date			
AQ-27 (a-d)	Demonstrate compliance with conditions 14-17, 20(a-d), 21, 22, 24(a), 24(b), 25(e), 25(b) by using continuous monitors during all operating hours for the following parameters.	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports			

## METCALF ENERGY CENTER • COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/1/2002						
AQ-27(e-f)	Use parameters in condition 27(e-d) and District approved methods to calculate the following: (e) Heat Input rate for S-1 & S-2 combined, and S-3 & S-4 combined (f) Corrected NOx and CO concentrations and mass emissions at each exhaust point (P-1, P-2).	As part of the annual Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-27(g-i)	For each source, source grouping, or exhaust point record parameters at least once every 15 minutes and calculate and record for the following. Refer to AQ-27 for further details.	As part of the annual Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-28(a-b)	Demonstrate compliance with conditions 20, 21, 24, 25 by calculating and recording on a daily basis POC, PM10, and SO2 mass emissions fine PM10 and SO2 from each power train. Calculate and record on annual basis the max. projected annual emissions of formaldehyde, benzene, Specified Poly-Aromatic Hydrocarbons (PAHs).	As part of the monthly Air Quality Reports, the owner/operator shall indicate the date of any violation including quantitative information on the severity of the violation.	Monthly Air Quality Reports				
AQ-29		As part of the annual Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-30	Within 30 days of startup, conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Source test protocols shall be submitted at least 90 days before startup. Approval of the source test protocols and the source test reports shall be deemed as verification for this condition.	90 days before startup				
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Conduct test within 60 days of startup	Within 60 days of startup				
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Submit source test results to the District and to the CEC CPM.	Within 30 days of the tests				
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Notify the District and the CEC CPM.	Within seven working days before the execution of the source tests.				
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.	Submit source test protocols. Approval of the source test protocols and the source test reports shall be deemed as verification for this condition.	90 days before startup				
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.	Conduct test within 60 days of startup and on annual basis thereafter.	Within 60 days startup				
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.	Notify the District and the CEC CPM.	Within seven (7) working days before the execution of the source tests				
AQ-31	Conduct a District-approved source test on exhaust points P-1 and P-2 while each GT and HRSG are operating at max load.	Submit source test results to the District and to the CEC CPM.	Within 30 days of the date of the tests				

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	Obtain approval for all source test procedures from District Source Test Section and CPM prior to conducting tests.	Provide a copy of source test protocol.	90 days before startup				
START OF CONSTRUCTION	Obtain approval for all source test procedures from District Source Test Section and CPM prior to conducting tests.	Notify the District's Source Test Section and the CEC CPM in writing of the Source Test Protocols and projected test dates at least 7 days prior to the testing date(s).	7 days prior to testing date(s)				
AQ-32	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2); Also test the GTs at minimum load.	Notify the District and the CEC CPM at least 7 working days before the owner/operator plans to conduct source testing as required by this condition.	Execution of the Source Tests				
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2); Also test the GTs at minimum load.	Conduct test.	Within 60 days of startup and on biennial basis thereafter				
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2); Also test the GTs at minimum load.	Source test results shall be submitted to the District and the CEC CPM.	Within thirty (30) days of conducting the test				
AQ-34	Submit all reports as required by District Rules or Regulations and in accordance with all procedures and time limits.	Submit a copy of test protocols, at least 90 days before startup.	90 days before startup				
AQ-35	Maintain records and reports on site for a minimum of 5 years.	During site inspection, make all records and reports available to the District, California Air Resources Board, and CEC staffs.	AQ Inspection per AQ-35				
AQ-36	Notify District and CPM of any violations of these permit conditions.	Submittal of these notifications as required by this condition is the verification of these permit conditions.	Violation of Permit Conditions				
AQ-37	Stack height of emission points (P-1, P-2) shall be at least 145 feet above grade at the stack base. (GTHRSG stack height).	Submit the drawings for review and approval.	45 days prior to the release to the manufacturer	7/15/02	7/23/02	Submitted	
AQ-38	Provide adequate stack sampling ports and platforms to enable the performance of source testing.	120 days before initial operation, submit to the BAAQMD and the CEC CPM a plan for the installation of stack sampling ports and platforms.	120 days before Initial Operation	2/1/04			
AQ-38	Provide adequate stack sampling ports and platforms to enable the performance of source testing.	Within 50 days of receipt of the plant, the BAAQMD will advise the Owner/Operator and the CPM of the acceptability of the plan.	Approval by BAAQMD and CPM after submittal				
AQ-39	Contact the BAAQMD Technical Services division regarding requirements for the continuous monitors, sampling ports, platforms, and source tests.	Contact the BAAQMD Technical Services division.	Within 180 days of issuance of Authority to Construct	8/12/02	7/29/02	In progress	
AQ-39	Contact the BAAQMD Technical Services division regarding requirements for the continuous monitors, sampling ports, platforms, and source tests.	Notify the CEC CPM at least seven (7) working days before these contacts are made.	7 days before contacts are made	8/5/02	2/28/02	N/A	Complete
AQ-40	Demonstrate valid ERCS in the amount of 212.75 tons/year of NOx and 28 tons/yr of PCCs or equivalent as defined by District Regs 2-2-302.1 and 2-2-302.2	No more than 30 days after the issuance of an Authority to Construct, provide a copy of the ATC to the CEC CPM for review.	Within 30 days after issuance of Authority to Construct	3/15/02	2/22/02	N/A	Complete

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

START OF MOBILIZATION/ROUGH GRADING		1/14/2002	Action required		Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
Condition No.	Requirements & Task Summary								
AQ-41	Provide to District valid ERC banking certificates in the amount of 212,75 tons/yr of NOx and 28 tons/yr of POCS or equivalent.	At least 30 days prior to the start of construction, submit a copy of the required offset or ERCS certificates to the CPM.	30 days prior to start of construction		Within 12 months of issuance of PSD Permit	8/2/02	7/26/02	N/A	Complete
AQ-42	Submit an application to the BAAQMD for a major facility review permit within 12 months of the issuance of the PSD permit for the MEC.	Submit an application to the BAAQMD major facility review permit. Notify the CEC CPM of the submittal of this application.	30 days after permit issued		30 days after permit issued		1/9/02	N/A	Complete
AQ-42	Submit an application to the BAAQMD for a major facility review permit within 12 months of the issuance of the PSD permit for the MEC.	Submit to the CPM a copy of the Federal (Title V) Operating Permit.							Expect to receive permit in June 2003.
AQ-43	Submit an application to the District for a Title IV operating permit at least 24 months prior to the initial operation of any GTs or HRSGs.	Submit to the CPM a copy of the application for Title IV operating permit.	24 months before Initial Operation						
AQ-44	Comply with the continuous emission monitoring requirements of 40 CFR Part 75.	Submit to the CPM a plan on how the measurements and recordings required by this condition will be performed.	60 days before Initial Operation						
AQ-45	Take monthly samples of natural gas combusted at MEC and analyze these samples for sulfur content using District-approved lab methods.	Maintain on site the records of all the guarantees received from its natural gas suppliers indicating that the fuel delivered to MEC complies with the 40 CFR Part 60 Subpart GG.	On-site Compliance Inspections						
AQ-46	Cooling towers shall be properly maintained to minimize drift losses.	Submit a performance guarantee letter from the cooling tower manufacturer.	30 days prior to installation of Cooling Tower per AQ-46						
AQ-47a	Perform visual inspection of cooling tower drift eliminators once per calendar year and repair or replace any drift eliminators which are broken or missing.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition.	Monthly Air Quality Reports						
AQ-47b	Have cooling tower representatives inspect the cooling tower drift eliminators and certify installation was performed in a satisfactory manner.	Have cooling tower representative inspect the cooling tower drift eliminators and certify installation.	Initial Operation						
AQ-47c	Perform an initial performance source test to determine the PM10 emission rate from the cooling tower to verify compliance with the vendor-guaranteed drift rate.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition.	Within 60 days of initial operation of the cooling tower						
AQ-48	Implement a CPM approved Fugitive Dust Control Plan during construction.	Submit the plan to the CEC CPM for review and approval	60 days prior to start of construction						
AQ-48	Implement a CPM approved Fugitive Dust Control Plan during construction.	Maintain daily records to document the specific actions taken pursuant to the plan. Summary of activities in MCR.	Monthly Compliance Report						
AQ-49	During construction owner shall:	The project owner shall maintain a daily log during the construction phase of the project. The logs shall be made available to the CEC CPM upon request.	Start of Construction						
AQ-50	Identify the source of the fugitive dust and implement one or more of the appropriate control measures specified in Table 3.	Maintain a daily log recording the dates and times that measures have been implemented and make them available to the CEC CPM upon request.	Start of Construction						

METCALF ENERGY CENTER: COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	1/1/2002					
START OF CONSTRUCTION	9/1/2002					
AQ-51	Provide the District with valid ERC certificates for PM10 for the amount of 29.21 tons per year and for VOC for the amount of 124.2 tons per year from the sources noted in Condition 51.  The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	At least 30 days prior to the start of construction, the project owner must submit a copy of the required ERC certificates to the CPM and the District.	30 days prior to start of construction	8/2/02	7/26/02	N/A
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit to the CPM for approval the qualifications of the CMM at least 45 days prior to due date for diesel construction equipment.	45 days prior to rough grading	11/3/01	8/27/01	9/27/01
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit Construction Equipment Mitigation Plan 30 days prior to rough grading or construction of linear facilities.	30 days prior to rough grading	12/15/01	9/7/01	9/27/01
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit Report of Change to the CPM no later than 10 working days after use of equipment on site.	10 days after use of equipment on site			
AQ-53	The heat input to the fire pump diesel engine shall not exceed 211 MM BTU totaled over any consecutive twelve month period.	As part of the monthly Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.	Monthly Air Quality Reports			
AQ-54	The total hours of operation of the emergency generator shall not exceed 200 hours per calendar year, plus an additional 100 hours per calendar year for the purposes of maintenance and testing.	As part of the monthly Air Quality Reports, indicate the date of any violation of this condition including quantitative information on the severity of the violation.	Monthly Air Quality Reports			
AQ-55	Install an oxidation catalyst to control VOC emissions.	As part of its final design plans, specifications, and drawings, submit to the District and the CPM for review and approval the final selection and design details of combustion equipment, including emission systems.	Submission of final design plans			
Public Health-1	Perform a visual inspection of the cooling tower drift eliminators once per calendar year. Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	Prior to initial operation			
Public Health-1	Perform a visual inspection of the cooling tower drift eliminators once per calendar year. Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	The project owner shall include the results of the annual inspection of the cooling tower drift eliminators and a description of any repairs performed in the next required compliance report.	Annual Compliance Report			

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
WORKER SAFETY 1	Project Construction Safety and Health Program, containing the following: A Construction Injury and Illness Prevention Program, A Construction Fire Protection and Prevention Plan, A Personal Protective Equipment Program.	Submit to the CPM a copy of the Project Construction Safety and Health Program and the Personal Protective Equipment Program, with a copy of the cover letter transmittal of the programs to Cal/OSHA.	30 days prior to start of construction	8/2/02	9/27/01(Bechtel)	2/1/02(Bechtel)
WORKER SAFETY 1	Project Construction Safety and Health Program, containing the following: A Construction Injury and Illness Prevention Program, A Construction Fire Protection and Prevention Plan, A Personal Protective Equipment Program.	Submit to the CPM a letter from the San Jose Fire Department stating that they have reviewed and accepted the Construction Fire Protection and Prevention Plan.	30 days prior to start of construction	8/2/02	7/3/01	2/1/02
WORKER SAFETY 2	Project Operation Safety and Health Plan containing the following: Operation Injury and Illness Prevention Plan, Emergency Action Plan, Operation Fire Protection Plan, Personal Protective Equipment Program.	The Plan shall be submitted to the Cal/OSHA Consultation Service, for review and comment concerning compliance of the program with all applicable Safety Orders	Start of Operation			
WORKER SAFETY 2	Project Operation Safety and Health Plan containing the following: Operation Injury and Illness Prevention Plan, Emergency Action Plan, Operation Fire Protection Plan, Personal Protective Equipment Program.	Submit to the CPM a copy of the final version of the Project Operation Safety & Health Program with a copy of the cover letter to Cal/OSHA's Consultation Service, and San Jose Fire Department comments stating that they have reviewed and accepted the specified elements of the Plan.	30 days prior to start of operation			
WORKER SAFETY 3	Reach an agreement with the San Jose Fire Dept on the amount of fees and timing of payment they will provide to cover project-specific impacts associated with worker safety and fire protection.	Provide the CPM with a copy of an agreement with the City of San Jose Fire Department or shall provide an interim plan to address impacts until a permanent agreement can be reached.	60 days prior to ground disturbances	11/15/01	7/20/01	2/1/02
WORKER SAFETY 3	Reach an agreement with the San Jose Fire Dept on the amount of fees and timing of payment they will provide to cover project-specific impacts associated with worker safety and fire protection.	If an agreement cannot be reached at least 60 days prior to construction, the project owner will inform the CPM and propose a plan to mitigate impacts on fire services.	60 days prior to ground disturbance	11/15/01	7/20/01	2/1/02
TLSN-1	The project owner shall construct the proposed transmission line according to the requirements of Section 2700 through 2974 of the California Code of Regulations and PG&E's EMF-reduction measures.	Submit to the CPM a letter affirming that the transmission line will be constructed according to the requirements.	30 days prior to start of construction of Transmission Line			
TLSN-2	Identify and correct any complaints of interference w/ radio and TV signals from operation of line and facilities.	All reports of line-related complaints shall be summarized and included for 5 years in the Annual Compliance Report to the CPM	Annual Compliance Report			
TLSN-3	Engage a qualified consultant to measure the strengths of the line electric and magnetic fields in the project owner's 240-foot section before and after the 230 kV line is energized.	File copies of the pre-and post energization measurements with CPM. These measurements shall be completed within 6 months of the start of the operations.	60 days after completion of measurements			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
TLSN-4	Ensure that the transmission line right-of-way is kept free of combustible material.	Provide a summary of inspection results and any fire prevention activities carried out along the ROW in the annual compliance report.	Annual Compliance Report			
TLSN-5	Ensure the grounding of any ungrounded permanent metallic objects within the right-of-way of the overhead section.	Transmit to the CPM a letter confirming compliance with this Condition	30 days prior to energization of transmission line			
HAZ-1	Do not use any hazardous material in reportable quantities, not listed in Attachment 1 or in greater quantities or strengths than those identified unless approved in advance by Santa Clara County and the CPM.	Provide to the CPM and Santa Clara County, In the Annual Compliance Report, a list of hazardous materials contained at the facility in reportable quantities.	Annual Compliance Report			
HAZ-2	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the EPA.	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the EPA.	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the U.S. EPA.	60 days prior to delivery of Aqueous Ammonia		
HAZ-2	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the EPA.	Include all recommendations of Santa Clara County and the CPM in the final document. At least 60 days prior to the delivery of aqueous ammonia to the facility, provide the final approved plans listed above to the CPM.	Include all recommendations of Santa Clara County and the CPM in the final document. At least 60 days prior to the delivery of aqueous ammonia to the facility, provide the final approved plans listed above to the CPM.	60 days prior to delivery of Aqueous Ammonia		
HAZ-3	Develop and implement a safety management plan for delivery of ammonia.	Provide a safety management plan as described above to the CPM for review and approval.	60 days prior to delivery of Aqueous Ammonia			
HAZ-4	The aqueous ammonia storage facility shall be designed to either the ASME Pressure Vessel Code and ANSI K61.6 or to API 620.	Submit final design drawings and specifications for the ammonia storage tank and secondary containment basin to the County of Santa Clara and the City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to delivery of Aqueous Ammonia			
HAZ-5	Provide a covered secondary containment basin to possibly contain any spill during the delivery of aqueous ammonia to the storage facility.	Provide detailed design drawings and specifications for the secondary containment basin to the County of Santa Clara and the City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to construction of ammonia secondary containment			
HAZ-6	The project owner shall require that the gas pipeline undergo a complete design review and detailed inspection every 30 years and each 5 years thereafter.	Provides a detailed plan to accomplish a full and comprehensive pipeline design review in the future to the CPM for review and approval.	30 days prior to initial gas flow in pipeline			
HAZ-7	Prepare and implement a pipelines maintenance plan.	Provides a detailed plan to accomplish a full and comprehensive pipeline inspection in the event of an earthquake to the CPM for review and approval.	30 days prior to initial gas flow in pipeline			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
HAZ-8	The project owner shall direct all vendors delivering any hazardous material to the site to use only the route approved by the CPM.	At least sixty (60) days prior to receipt of any hazardous materials on site, the project owner shall submit copies of the required transportation route limitation to the County of Santa Clara and City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to delivery of hazardous materials			
HAZ-9	The natural gas pipeline shall be designed to meet CPUC General Order 112-D and 58 A standards, or any successor standards, and will be designed to meet Class III service.	Submit design and operation specifications to the CPM for review and approval.	Prior to initial gas flow in pipeline			
HAZ-10	Design and operate the facility to ensure that no fuels or lubricants are permanently or temporarily stored within 100 feet of the sulfuric acid tank.	Provide copies of the facility design drawings showing the location of the sulfuric acid storage tank and the route for transport.	60 days prior to delivery of Sulfuric Acid			
HAZ-11	The project owner shall direct all vendors delivering aqueous ammonia to the site to use only transport vehicles which meet or exceed the specifications of the DOT MC-307 tanker trucks.	Submit copies of the notification letter to supply vendors indicating the transport vehicle specifications to the CPM for review and approval.	60 days prior to receipt of aqueous ammonia on site			
HAZ-12	Design, construct, and operate the project in conformance with all applicable laws, ordinances, regulations, and standards pertaining to the transport, storage, and handling of hazardous materials.	Submit final design drawings and specifications for all hazardous material storage areas and equipment to Santa Clara County and the City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to delivery of Hazardous Materials			
WASTE-1	Obtain a Hazardous Waste Generator Identification Number from the Department of Toxic Substances Control prior to generating any hazardous waste.	Keep its copy of the identification number on file at the project site and notify the CPM via the monthly compliance report of its receipt.	Notify via Monthly Compliance Report	12/14/02	12/14/02	N/A
WASTE-1	The project owner shall obtain a Hazardous Waste Generator Identification Number from the Department of Toxic Substances Control prior to generating any hazardous waste. (Operation).	Keep copies of the ID number and permit on file and notify the CPM via the monthly compliance report of their receipt - (operation)	Notify via Monthly Compliance Report			Complete
WASTE-2	Upon becoming aware of any impending waste management-related enforcement action, notify the CPM of any such enforcement action.	Notify the CPM in writing within 10 days of becoming aware of an impending enforcement action.	Within 10 days of becoming aware of an impending enforcement action.			
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	Submit the construction waste management plan to the CPM for review.	60 days prior to start of construction	7/3/02	6/12/01, 2/24/03	7/27/01, 3/7/03 Complete.
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	Submit any required revisions within 30 days of notification by the CPM (or mutually agreed upon date).	Revise within 30 days of notification by CPM			

**METCALF ENERGY CENTER - COMPLIANCE MATRIX**

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status Comments
START OF MOBILIZATION/ROUGH GRADING	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	The operation waste management plan shall be submitted no less than 60 days prior to the start of project operation.	60 days prior to start of operation				
START OF CONSTRUCTION	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	The project owner shall submit any required revisions within 30 days of notification by the CPM (or mutually agreed upon date).	Revise within 30 days of notification by CPM				
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	In the Annual Compliance Reports, document the actual waste management methods used during the year compared to planned management methods.	Annual Compliance Report				
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	Submit the qualifications and experience of the Registered Professional Engineer or Geologist to the CPM for approval.	30 days prior to ground disturbing activity	12/15/01	8/1/2001, 3/1/2003	8/16/01	Complete
WASTE-4	Have a registered PE available for consultation during soil excavation and grading activities.	Notify the CPM in writing within 5 days of any reports filed by the environmental professional.	Within 5 days of filing reports				
WASTE-5	If potentially contaminated soil is unearthed during excavation the environmental professional shall inspect the site.	If significant remediation may be required, contact representatives of the Santa Clara County and Dept of Toxic Substances Control.	Within 5 days of filing reports				
WASTE-5	If potentially contaminated soil is unearthed during excavation the environmental professional shall inspect the site.	Notify the CPM in writing within 5 days of any reports filed.	Within 5 days of filing reports				
WASTE-6	Obtain a Hazardous Material Clearance Form from the Santa Clara County Hazardous Materials Compliance Division.	Provide an approved copy of the Hazardous Material Clearance Form to the CPM.	Prior to the start of construction	3/20/02	3/20/02	3/20/02	Complete
WASTE-7	The project owner shall perform additional limited investigations to fully characterize the site.	Prior to the start of construction, submit analytical results of the additional sampling to the CPM as a ESA Addendum.	Prior to the start of construction	2/21/02	2/21/02	N/A	Complete
WASTE-8	All site debris shall be removed from the site after owner has control of the site.	Notify the CPM in writing within ten days of removal of site debris.	Within 10 days after removal of site debris	9/1/01	9/10/01	10/2/01	Complete
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	In the Monthly Compliance Reports provide updates on trail developments in the area around the site.	Start of Construction of Trail				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Submitt to the City of San Jose Departments of Planning and Public Works for review of the trail design and maintenance plan.	In the Monthly Compliance Reports provide updates on trail developments in the area around the site.				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Prior to the start of a trail that the MEC trail could be connected to, submit designs and the maintenance plan to the CPM.	180 days prior to start of construction of trail				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Notify the CPM that the trail segment has been completed and is ready for inspection.	Within 7 days after completion of trail segment				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	In the Annual Compliance Reports provide updates on trail developments in the area around the site.	Annual Compliance Report				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Annual Compliance Report					

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPW/CBO	Date approved by CPW/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
LAND-2	Landscape the parking area consistent with the "Orchard Planting" Guidelines of the North Coyote Valley Campus Industrial Area Master Development Plan.  The project owner shall landscape the parking area consistent with the "Orchard Planting" Guidelines of the North Coyote Valley Campus Industrial Area Master Development Plan.	Submit to the City of San Jose for review and comment and to the CPM for approval a revised landscape plan.	30 days prior to start of construction	8/2/02	8/7/02	Submitted
LAND-2	The project owner shall landscape the parking area consistent with the "Orchard Planting" Guidelines of the North Coyote Valley Campus Industrial Area Master Development Plan.	Notify the CPM that the work has been completed and is ready for inspection.	7 days after completion of landscaping			
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Submit the final design plans to the CPM for approval.	60 days prior to start of construction	9/20/2001 1/14/01 3/12/02	12/10/2001 3/28/02	Complete
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Notify the CPM that the boundaries are ready for inspection.	Prior to construction of specified facilities and structures	7/23/02 (cooling tower)	10/22/02 (cooling tower)	Complete for cooling tower foundation only.
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Submit the final design plans to the San Jose review and comment.	60 days prior to start of construction	7/30/02	9/20/2001 3/12/02	N/A (City of San Jose)
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Notify the CPM that the facilities and structures are completed and are ready for inspection.	7 days after completion of specified facilities and structures	7/30/02	9/20/2001 3/12/02	Complete
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entity Identification" guidelines.	Submit to the CPM for approval a site plan that demonstrates that the project complies with the "Entity Identification" guidelines.	90 days prior to commercial operation			
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entity Identification" guidelines.	Submit to the City of San Jose for review and comment a site plan.	90 days prior to commercial operation			
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entity Identification" guidelines.	Notify the CPM that these requirements have been satisfied and are ready for inspection.	Commercial Operation			
LAND-4	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Submit to the CPM a recorded copy of the Agreement.	90 days prior to start of construction	6/30/02	6/12/01	9/14/01
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Submit a landscape plan to the CPM for review and approval and the City of San Jose for review and comment.	Within sixty (60) days of sale of the Passantino property			
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Notify the CPM that the landscaping has been completed and is ready for inspection.	7 days after completion of landscaping			
LAND-5	Immediately south of the MEC site a restrictive covenant agreement.	Notify the CPM that the protective measures stated above will be applied prior to the delivery of any construction materials.	30 days prior to delivery of construction materials			
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Submit photographic evidence of the application.	7 days after completion of protective measures	9/19/01	9/21/01	Complete
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Notify the CPM that the agricultural field used as the laydown area has been tilled and shall submit photographs of the tilled field.	30 days prior to commercial operation	3/14/02 5/10/2002	7/6/02	Complete

METCALF ENERGY CENTER: COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
LAND-7	Ensure that any additional construction laydown areas needed along all pipeline routes are located within existing paved or gravel areas.	Submit a detailed map showing the location of any planned laydown areas along the pipeline routes and photographs of the areas.	60 days prior to construction of pipelines			
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit the plan to the Santa Clara County Parks and Recreation Department for review and obtain licenses and easements.	Prior to submittal to CPM			Option agreement signed 6/4/02. Will exercise option 45 days prior to construction of gas pipeline.
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit to the CPM a copy of all licenses and easements secured from Santa Clara County and submit to the CPM a plan that describes how construction activities will be timed to avoid permitted park events.	30 days prior to construction of gas pipeline			
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit to the CPM an update of planned construction dates for the following week and a schedule of planned park events.	Weekly gas pipeline report			
LAND-9	Route the water supply and wastewater discharge pipelines through open agricultural areas to avoid the direct loss of orchard trees.	Submit to the CPM for review and approval a site plan that shows the precise alignment of the pipelines in relation to existing orchard trees.	60 days prior to construction of water supply and waste water pipelines			
LAND-9	Route the water supply and wastewater discharge pipelines through open agricultural areas to avoid the direct loss of orchard trees.	Notify the CPM that stakes have been installed and the route is ready for inspection.	7 days prior to ground disturbing activities related to pipeline construction			
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Submit a description of the procedure to minimize alteration of original soil stratigraphy.	30 days prior to ground disturbing activities related to pipeline construction			
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Notify the CPM of the schedule for trenching.	7 days prior to trenching for pipeline			
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Submit photographs to the CPM that demonstrates that the topsoil has been kept separate from the subsoil.	7 days after start of trenching for pipeline			
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Notify the CPM of the schedule for backfilling.	7 days prior to backfilling trenches			
LAND-11	The heat recovery steam generator stacks shall be limited to 145 feet above finished grade. Comply with Caltrans and Santa Clara County limitation on vehicle sizes and weights.	Submit the final design specifications to the CPM for review and approval.	60 days prior to start of construction		9/20/01	10/17/01
TRANS-1	Comply with Caltrans and County limitations for encroachment into public rights-of-way and shall obtain necessary encroachment permits.	Provide the number of any oversize and overweight transportation permits received during that reporting period.	Monthly Compliance Report			On-going
TRANS-2	Ensure that all federal and state regulations for the transport of hazardous materials are observed.	Submit copies of any encroachment permits received during that reporting period in the Monthly Compliance Report.	Monthly Compliance Report		5/14/02	Caltrans encroachment permit for gas pipeline submitted in April Report.
TRANS-3	Copies of all permits and licensess acquired concerning the transport of hazardous substances.	Monthly Compliance Report	Monthly Compliance Report			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
TRANS-4	The Project owner shall enter into a Crossing Agreement with UPRR.	If the permanent crossing warning equipment is not in place, submit a traffic plan for the crossing to UPRR for review.	60 days prior to site preparation	11/15/01	8/16/01	8/16/01
TRANS-4	The project owner shall enter into a Crossing Agreement with UPRR.	Submit the executed Crossing Agreement to the CPM for approval.	60 days prior to site preparation	11/15/01	8/16/01	8/16/01
TRANS-4	Install railroad grade crossing warning equipment at the RR crossing for Blanchard Road.	Inform the CPM when the final grade crossing warning equipment is ready for inspection.	Installation of final grade crossing equipment	3/4/02	3/4/02	Submitted
TRANS-5	Consult with Santa Clara Co., San Jose, and Caltrans & prepare a Const. Traffic Control Plan and Implementation program.	Provide to Santa Clara County, City of San Jose and Caltrans, and to the CPM, a copy of construction traffic control plan and implementation program.	30 days prior to start of site preparation	10/2/01	10/2/2001 12/9/02	10/24/01
TRANS-6	Repair roadways to original or as near original condition as possible. Refer to TRANS 6 for further details	Photograph, videotape, or digitally record Monterey Rd. between Metcalf Rd. and Blanchard Rd. Provide the CPM, Santa Clara County and Caltrans with a copy of these Images.	Prior to start of site preparation	11/15/01	8/9/01	8/13/01
TRANS-6	Repair roadways to original or as near original condition as possible. Refer to TRANS 6 for further details	Photograph, videotape, or digitally record Monterey Rd. between Metcalf Rd. and Blanchard Rd. Provide the CPM, Santa Clara County and Caltrans with a copy of these Images.	Start of ground disturbing activities related to pipeline construction			Complete
TRANS-6	Following completion of construction of the power plant and all related facilities, the project owner shall repair roadways to original or as near original condition as possible.	Notify Caltrans about the schedule for project construction.	60 days prior to site preparation	11/15/01	8/9/01	8/13/01
TRANS-6	Following completion of construction of the power plant and all related facilities, the project owner shall repair roadways to original or as near original condition as possible.	Meet with the CPM, Santa Clara County, the City of San Jose and Caltrans to determine actions necessary for repair of roadways.	30 days after completion of project construction			Complete
TRANS-6	Prepare and submit a parking and staging plan for all phases of project construction.	Submit the parking and staging plan to the City and comment, and to the CPM for approval.	60 days prior to start of site preparation	10/2/01	10/2/2001 12/9/02	10/24/01
TRANS-8	Prior to the start of commercial operation of MEC, the project owner shall complete a two-lane secondary access connection.	Contact the City regarding the status of the off-site portion of the Senia Teresa Boulevard connection and inform the CPM.	12 months prior to commercial operation			
TRANS-8	Prior to the start of commercial operation of MEC, the project owner shall complete a two-lane secondary access connection.	Notify the City and CPM that the portion of the Santa Teresa Boulevard connection constructed by MEC is ready for inspection.	60 days prior to commercial operation	11/2/04		
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	Notify residents and establish/post telephone number	15 days prior to start of rough grading	12/3/01	10/3/01	N/A
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	A statement signed by the project manager attesting that the above notification has been performed.	Monthly Construction Report	2/14/02	2/14/02	N/A

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Status/Comments
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	A statement signed attesting that notification was send to all residents within a 1-mile radius of the project.	15 days prior to the commencement of steam blow activity	Monthly Construction Report		
NOISE-2	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	Transmit a statement signed by the project manager attesting that a notification was send to all residents within a one-mile radius of the project.	Following the Steam Blow Activity			
NOISE-3	Throughout the construction and operation, document, investigate, evaluate and attempt to resolve all project related noise complaints.	File a copy of the Noise Complaint Resolution Form with City of San Jose and with the CPM documenting the resolution of the complaint.	30 days after receiving a noise complaint			
NOISE-4	Submit to the CPM for review a Noise Control Program.	Submit to the CPM the above referenced program.	30 days prior to Rough Grading	12/15/01	6/12/01	7/27/01 Complete
NOISE-5	If a traditional high-pressure steam blow process is employed, equip steam blow piping with a temporary silencer.	Submit to the CPM drawings describing the temporary steam blow silencer, and a description of the steam blow schedule.	15 days prior to first Steam Blow			
NOISE-6	Conduct a 25-hour Community Noise Survey when first achieving an output of 80 percent of rated capacity.	Submit a summary report of the survey to City of San Jose and the CPM.	Within 30 days after completing survey			
NOISE-7	Conduct a 25-hour Community Noise Survey when first achieving an output of 80 percent of rated capacity.	Submit to the CPM a summary report of a new noise survey.	Within 30 days of completion of installation of these measures			
NOISE-8	The project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility.	The survey shall be conducted within thirty (30) days after the facility is operating at an output of 80% of rated capacity or greater.	Thirty days after the facility is operating at an output of 80%			
NOISE-9	The project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility.	Submit the noise survey report to the CPM. The project owner shall also submit the report to OSHA upon request.	Within 30 days after completing the survey			
NOISE-10	Construction shall be restricted to the hours of: 7 a.m. to 7 p.m. on weekdays and from 8 a.m. to 6 p.m. on weekends and holidays.	Transmit a statement certifying that the above restrictions will be observed throughout the construction of the project.	First Monthly Compliance Report	11/15/02	11/15/02	N/A Complete
NOISE-11	The project owner shall implement typical noise source reduction measures such as silencers and acoustical enclosures for HDD.	Submit a plan for approval to the CPM to implement noise reduction measures for HDD.	30 days prior to commanding HDD.			
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	Submit proposed plan to the CPM for review and approval.	60 days prior to ordering first equipment that is color treated	8/1/02	8/1/02	Submitted for cooling tower color only. Comments received. Will coordinate re-submittal with VIS-9 submittal.
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	If the CPM notifies the project owner that any revisions of the plan are needed, shall submit to the CPM a revised plan.	Within 30 days of receiving notification			Comments received. Will coordinate re-submittal with VIS-9 submittal.
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	Notify the CPM that all structures treated during manufacture and all structures treated in the field are ready for inspection.	Not less than thirty (30) days prior to the start of commercial operation			
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	The project owner shall provide a status report regarding treatment maintenance in the Annual Compliance Report.	Annual Compliance Report			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		1/14/2002				
START OF CONSTRUCTION		9/1/2002				
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
VIS-2	Any fencing for the project shall be non-reflective.	Submit the specifications to the CPM for review and approval.	At least 30 days prior to ordering the non-reflective fencing			Status/Comments
VIS-2	Any fencing for the project shall be non-reflective.	If the CPM notifies the project owner that revisions of the submittal are needed the project owner shall prepare and submit a revised submittal.	Within 30 days of receiving notification			
VIS-2	Any fencing for the project shall be non-reflective.	Notify the CPM that the fencing is ready for inspection.	Within 7 days after completing installation of the fencing			
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	Notify the CPM that the lighting is ready for inspection.	Within seven (7) days of completing exterior lighting installation			
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	Provide the lighting plan to the CPM for review and approval and to the City of San Jose for review and comment.	Ninety (90) days before ordering the exterior lighting.			
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	If the CPM notifies the project owner that any revisions of the plan are needed, shall submit to the CPM a revised plan.	Within 30 days of receiving notification			
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	If the CPM notifies the project owner that revisions of the submittal are needed, shall prepare and submit to the CPM a revised submittal.	Within 30 days of receiving notification			
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	Notify the CPM after completing the surface restoration that it is ready for inspection.	Within seven days after completing the surface restoration			
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	Submit the plan to the CPM for review and approval and to the City of San Jose or Santa Clara County for review and comment.	At least sixty days prior to beginning implementation of the surface restoration			
Temporary Aesthetic Screen						
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/01	N/A (City of San Jose)
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the CPM for review and approval.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/01	2/15/02 (Aesthetic screen)
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of receiving notification	2/12/02	2/12/02	2/15/02

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary		Event	Required Submittal Date	Date submitted to CP/M/CBO	Date approved by CP/M/CBO
	Action required	Status/Comments				
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	The temporary and long-term aesthetic screening installations are ready for inspection.	Within seven days after implementing the proposed plan	7/6/2002 (Temporary screen)	7/1/2002 (Temporary screen)	
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Submit proposed plans to the City of San Jose for review and comment and CPM for review and approval.	At least ninety (90) days before intended removal of the temporary aesthetic screen			
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of notification			
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Notify the CPM that the temporary aesthetic screening removal is ready for inspection.	Within seven days after implementing the proposed plan			
<b>Long-term screen (Monterey Road landscaping)</b>						
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/01	N/A (City of San Jose)
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the CPM for review and approval.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/001, 12/18/01	Revised Monterey Rd. plan submitted 12/18/01. Submitted City of San Jose comments to CEC on 9/26/02.
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of receiving notification			City of San Jose comments being incorporated. Expect 4/1/03.
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area re: screening of truck loading docks and storage and service areas..	Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment and the CPM for review and approval.	At least sixty (60) days prior to installing the screening			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event:	Required Submission Date	Date submitted to CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area re: screening of truck loading docks and storage and service areas.	Submit any required revisions	Within 30 days of notification			
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area re: screening of truck loading docks and storage and service areas.	The project owner shall notify the CPM when ready for inspection	Within seven days after completing installation of the screening			
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit the proposed aesthetic landscape screening plan to the City of San Jose and County of Santa Clara Parks and Recreation Department for review and comment.	90 days prior to start of construction			Submitted / In progress. Working with County.
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit the proposed aesthetic landscape screening plan to the CPM for review and approval.	90 days prior to start of construction			Submitted / In progress. Working with County.
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Notify the CPM in writing that the aesthetic landscape screening installation is ready for inspection.	Within thirty (30) days of notification by the CPM.			
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit any required revisions	Within seven (7) days after completing the implementation of the proposed plan			
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit detailed design specifications for the gas metering station to the County of Santa Clara Parks and Recreation Department for review and comment.	At least sixty (60) days before the beginning of construction of the gas metering station			
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit detailed design specifications for the gas metering station to the CPM for review and approval.	At least sixty (60) days before the beginning of construction of the gas metering station			
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit any required revisions.	Required revision within 30 days of notification by CPM.			
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Notify the CPM that the aesthetic treatment and landscape screening installation is ready for inspection.	Within seven (7) days after implementing the proposed plan			
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Submit the proposed architectural design treatment plan to the City of San Jose for review and comment.	At least sixty (60) days prior to the start of architectural treatment			
VIS-9			Complete			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	9/14/2002					
START OF CONSTRUCTION	9/12/2002					
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Submit the proposed architectural design treatment plan to the CPM for review and approval.	At least sixty (60) days prior to the start of architectural treatment by the CPM	10/2/02		Submitted. Comments received 10/31/02.
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Shall submit any required revisions.	Within thirty (30) days of notification by the CPM	11/3/02	11/25/02	Submitted. Received comments 2/10/03.
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Notify the CPM in writing that all structures are ready for inspection.	Thirty (30) days prior to the start of commercial operation			
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	Submit the proposed plume abatement plan to the City of San Jose for review and comment.	At least sixty (60) days prior to the start of construction	7/3/02	9/6/01	N/A Complete
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	Submit the proposed plume abatement plan to the CPM for review and approval.	At least sixty (60) days prior to the start of construction	7/3/02	9/5/01	Submitted. CEC comments received.
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	This project owner shall submit any required revisions.	Within 30 days of notification by the CPM.	9/24/02, 11/6/02, 2/22/03		Submitted revised plan.
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	The project owner shall submit to the City of San Jose and the County of Santa Clara Parks and Recreation Department for review and comment a specific plan.	Start of construction of the trail between Blanchard Road and railroad tracks			
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Submit to the CPM for review and approval a specific plan describing its landscape plan.	Start of construction of the trail between Blanchard Road and railroad tracks			
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Submit any required revisions.	Within 30 days of notification by the CPM.			
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Notify the CPM, City of San Jose and County of Santa Clara Parks and Recreation Department that the planting installation is ready for inspection.	7 days after completion of planting installation			
VIS-12	Contact the owners of property along Blanchard Road and develop a plan to screen views of the project from each property if so desired by a property owner.	Provide to the CPM a report on the landscaping/screening plan.	15 days prior to project construction	8/17/02	7/30/02	9/24/02 Complete
VIS-12	Contact the owners of property along Blanchard Road and develop a plan to screen views of the project from each property if so desired by a property owner.	Notify the CPM when any measures are ready for inspection.	Measures are ready for inspection			
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Submit name and qualifications.	90 days prior to site preparation	10/16/01	7/26/01	7/27/01 Complete
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Confirm in writing to the CPM that the approved designated cultural resource specialist will be available at the start of construction.	At least 10 days but no more than 30 days prior to the start of earth disturbing activities	12/15/01	7/26/01	9/25/01 1/22/02 Complete
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Obtain CPM approval of the replacement Cultural Specialist.	10 days prior to termination of Cultural Specialist			

METCALF ENERGY CENTER COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPN/CBO	Date approved by CPN/CBO
START OF MOBILIZATION/ROUGH GRADING	9/1/2002					
START OF CONSTRUCTION						
CUL-2	Provide the designated cultural resource specialist and the CPM with maps and drawings showing the footprint of the power plant and all linear facilities.	Provide the designated cultural resource specialist and the CPM with the maps and drawings.	75 days prior to the start of earth disturbing activities	10/31/01	9/20/01	11/1/01 Complete
CUL-3	CRS shall prepare, and the owner shall submit to the CPM for review and written approval, a CRMMP.	Submit the Cultural Resources Monitoring and Mitigation Plan.	60 days prior to project site preparation	11/15/01	6/12/01	12/15/01 Complete
CUL-4	WEAT for cultural resources	Submit to the CPM for review and written approval, the proposed WEAT.	60 days prior to the start of construction on the project	11/15/01	9/20/01	12/5/01 Complete
CUL-5	WEAT to all project managers, all construction supervisors, and those workers who operate ground disturbing equipment.	Provide the CPM with documentation that WEAT was administered.	7 days after start of construction	1/21/02	9/29/01	1/29/02 Complete
CUL-6	WEAT to all project managers, all construction supervisors, and those workers who operate ground disturbing equipment.	Provide the CPM with documentation that WEAT was administered.	Monthly Compliance Report			In progress
CUL-7	CRS or monitor shall have the authority to halt or redirect construction if previously unknown cultural resource sites or materials are encountered.	Provide the CPM with a letter confirming CUL-6.	30 days prior to site preparation	12/15/01	7/20/01	8/6/01 Complete
CUL-8	CRS or monitor shall have the authority to halt or redirect construction if previously unknown cultural resource sites or materials are encountered.	For any cultural resource encountered, the project owner shall notify the CPM within 24 hours.	Within 24 hours of cultural resource discovery			
CUL-9	Provide the designated cultural resource specialist with a current schedule of anticipated project activity with a copy of each weekly schedule of the construction activities.	Provide the CPM with a copy of each weekly schedule of the construction activities.	10 days prior to site preparation	1/4/02	9/28/01	1/14/02 Complete
CUL-10	Provide the designated cultural resource specialist with a current schedule of anticipated project activity in the following month and a map.	Provide the CPM with a copy of each weekly schedule of the construction activities.	Monthly Compliance Report			In progress
CUL-10	CRS/monitor keep a daily log of any resource finds and the progress or status of the resource monitoring, mitigation, preparation, identification, and analytical work being conducted for the project.	Copies of the weekly summary reports shall be submitted to the CPM in the Monthly Compliance Report.	Monthly Compliance Report			In progress
CUL-10	Except in the areas specified in CUL-3(f), the designated cultural resource specialist or delegated monitor(s) shall be present at times the specialist deems appropriate.	Copies of the weekly summary reports prepared by the designated cultural resource specialist regarding project-related cultural resource monitoring.	Monthly Compliance Report			
CUL-10	Obtain ground disturbance or cultural resource excavation permits from Caltrans and/or the U.S. Army Corps of Engineers.	Submit a copy of any permit addressing data recovery excavation.	Monthly Compliance Report			
CUL-10	Obtain ground disturbance or cultural resource excavation permits from Caltrans and/or the U.S. Army Corps of Engineers.	Provide written documentation to the permitting agency of compliance with any mitigation measures.	Completion of mitigation activity			

## METCALF ENERGY CENTER COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/12/2002						
CUL-11	Ensure that the CRS performs the recovery, etc. of all cultural resource materials encountered and collected.	Maintain in its compliance files, copies of signed contracts or agreements with the museum(s), university (ies), or other appropriate research specialists.	Periodic Audit by the CPM				
CUL-12	Prepare a scope of work for Cultural Resources Report following completion of data recovery and site mitigation work.	Submit it to the CPM for review and written approval.	7 days after completion of the proposed scope of work,				
CUL-12	Prepare a scope of work for Cultural Resources Report following completion of data recovery and site mitigation work.	Ensure that the designated cultural resources specialist prepares the proposed scope of work	Completion of Data Recovery per CUL-12				
CUL-13	Prepare a Cultural Resources Report as described in CUL-13. Submit the report to the CPM for review and written approval.	Ensure that the designated cultural resource specialist completes the Cultural Resources Report.	Within 90 days following completion of the data recovery and site mitigation work.				
CUL-13	Prepare a Cultural Resources Report as described in CUL-13.	Submit the Cultural Resources Report to the CPM for review and written approval.	Within seven (7) days after completion of the report				
CUL-14	Submit an original, an original-quality copy, and a computer disc copy, of the CPM-approved Cultural Resource Report to the public repository to receive the recovered data and materials for curation, the SHPO and the appropriate archaeological information center(s), and the City of San Jose, to a person authorized to receive confidential cultural resources information.	Provide to the CPM documentation that the report has been sent to the public repository receiving the recovered data and materials for curation, the SHPO and the appropriate archaeological information center(s), and the City of San Jose who is authorized to receive confidential cultural resources information.	Within thirty (30) days after receiving approval of the Cultural Resources Report				
CUL-15	Ensure that all cultural resource materials, maps, and data collected during data recovery and mitigation for the project are delivered to a public repository.	Ensures that all recovered cultural resource materials are delivered for curation. For the life of the project, maintain copies of signed contracts or agreements with the public repository.	Within thirty (30) days after providing the CPM-approved Cultural Resource Report to the entities				
CUL-16	Consult with Ohlone/Costanoan Native American tribal representatives to develop an agreement(s) for qualified monitor(s).	Provide the CPM with a copy of all finalized agreements for Native American (Ohlone/Costanoan) monitor(s).	30 days prior to site preparation	12/15/01	8/8/01	8/15/01	Complete
CUL-17	Presence/absence testing shall be conducted in the vicinity of the natural gas pipeline route or PG&E metering station.	Reports addressing the results of the presence/absence testing shall be included in the Monthly Compliance Report.	Monthly Compliance Report				Plan submitted 3/4/03
CUL-18	Comply with CUL-1, CUL-4 and CUL-5. Comply with CUL-2 and CUL-3 for the entire project. CRS shall examine the area of initial project site mobilization.	Provide the CPM with information authorized by the CRS identifying the area of initial site mobilization.	7 days prior to site mobilization	17/02	10/2/01	12/15/01	Complete
CUL-19	If the potable water wells and associated pipelines are to be located anywhere but in an area defined as part of the proposed project then a cultural resource assessment shall be required.	Submit the results of the records search and the results of the survey.	90 days prior to start of construction of wells				
SOCIO-1	The project owner and its contractors and subcontractors shall recruit employees and procure materials and supplies within the City of San Jose and Santa Clara County.	Submit copies of contractor, subcontractor, and vendor solicitations and guidelines stating hiring and procurement requirements and procedures.	60 days prior to site preparation	11/15/01	7/20/01	8/8/01	Complete

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/11/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submission Date	Date submitted to CP/MCBO	Date approved by CP/MCBO	Status/Comments
SOCIO-1	The project owner and its contractors and subcontractors shall recruit employees and procure materials and supplies within the City of San Jose and Santa Clara County.	Notify the CPM the reasons for any planned procurement of materials or hiring outside the local regional area that will occur during the next two months.	Monthly Compliance Report				In progress
SOCIO-2	Pay the one-time statutory school facility development fee as required at the time of filing.	Pay the statutory school facility development fee at the time of filing, as required at the time of filing.	At Time of Filing				
SOCIO-2	Pay the one-time statutory school facility development fee as required at the time of filing.	Provide proof of payment of the statutory development fee.	Monthly Compliance Report after fees are paid				
BIO-1	Construction site and/or ancillary facilities preparation shall not begin until an approved Designated Biologist is available to be on site.	Submit name, qualifications, address and telephone number of the individual selected.	60 days prior to start of ground disturbance	11/15/01	7/23/01	7/27/01	Complete
BIO-1	Construction site and/or ancillary facilities preparation shall not begin until an approved Designated Biologist is available to be on site.	If the CPM determines the proposed Designated Biologist to be unacceptable, submit another individual's name and qualifications for consideration.	Notification by CPM that proposed Designated Biologist is unacceptable				
BIO-2	The CPM approved Designated Biologist shall perform the following during project construction and operation: see BIO-2 for detailed tasks.	Biologist shall maintain written records of the tasks described.	Monthly Compliance Report				
BIO-2	The CPM approved Designated Biologist shall perform the following during project construction and operation: see BIO-2 for detailed tasks.	Submit record summaries in the Annual Compliance Report.	Annual Compliance Report				In progress
BIO-3	Act on the advice of the Designated Biologist to ensure conformance with the Biological Resources Conditions of Certification and shall halt all construction activities, if necessary.	Notify the CPM by telephone of the circumstances and actions being taken to resolve the problem or the non-compliance with the condition.	Within 2 working days of notification of non-compliance	11/30/01	7/23/01	8/30/01	Complete
BIO-4	Submit to the CPM for review and approval a copy of the final BRMMP and shall implement the measures identified in the plan.	Provide to the CPM with the final version of the BRMMP.	45 days prior to start of ground disturbance				
BIO-4	Develop the riparian corridor planting plan for inclusion into the BRMMP.	Provide to the CPM for review and approval, a written report identifying which items of the BRMMP have been completed.	30 days after construction complete				
BIO-5	Develop WEAT for biological resources.	Provide to the CPM for review and approval the WEAT in the prior month.	45 days prior to ground disturbance	11/30/01	7/23/01	10/17/01	Complete
BIO-6	Acquire a SAA from CDFG.	State in the Monthly Compliance Report the number of persons who have completed the training in the prior month.	Monthly Compliance Report				In progress
BIO-7	Provide a final copy of the U.S. Fish and Wildlife Service Biological Opinion.	Provide copies of the WEAT and the name and qualifications of the person(s) administering the program.	60 days prior to start of rough grading	11/15/01	9/20/01	12/5/2001 3/13/02 (outfall)	Complete
BIO-8	Submit to the CPM a copy of the USFWS Biological Opinion.	Submit to the CPM a copy of the final CDFG Streambed Alteration Agreement.	30 days prior to the start of any streambed alteration disturbances				In progress
			45 days prior to the start of ground disturbance	11/30/01	7/23/01	7/27/01	Complete

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPMC/CBO	Date approved by CPMC/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/1/2002						
BIO-9	Provide a final copy of the Nationwide No.7 permit.	Submit to the CPM a copy of the Nationwide No.7 permit.	30 days prior to the start of any streambed alteration	8/1/02	8/14/02		Submitted
BIO-10	Provide 116 acres of land on Tujare Hill and 15 acres of land on Coyote Ridge, the name of the entity that will be managing the land in perpetuity, and the endowment funds.	Provide to the CPM for approval, the name of the management entity, written verification that compensation lands have been purchased and written verification that the appropriate endowment fund has been received.	Within one week of commencing ground disturbance activities	1/21/02	2/26/02		Submitted
BIO-11	Develop a suitable final habitat management and monitoring plan for lands purchased on Tujare Hill and Coyote Ridge.	Provide the CPM with the final approved version of the management plan. Incorporate into the BRMIMP.	60 days prior to start of ground disturbance	11/15/01	6/25/01	7/9/01	Complete
BIO-12	Incorporate into closure plan measures that address the local biological resources and incorporate into the BRMIMP.	Address all biological resource-related issues associated with facility closure.	12 months prior to facility closure				
BIO-13	Comply with BIO-1, BIO-2, and BIO-10 and complete BIO-6. Examine the area and ensure no special status species are present.	Provide the CPM with the location, date(s), methods(s), and results of the pre-examination.	10 days prior to mobilization	1/4/02	9/28/01	10/17/01	Complete
SOIL & WATER-1	Disinfected, tertiary-treated, recycled water will be used at the Metcalf Energy Center for cooling purposes, and other appropriate non-potable uses.	Provide CPM with a copy of a valid Recycled Water use permit from the City of San Jose.	Construction complete				
SOIL & WATER-1	Potable water may be used for cooling purposes only in the event that SBWR recycled water service is interrupted.	Provide a record of water consumption for the MEC.	Monthly Compliance Report				In progress
SOIL & WATER-1	Potable water may be used for cooling purposes only in the event that SBWR recycled water service is interrupted.	Provide a record of water consumption for the MEC.	Annual Compliance Report				
SOIL & WATER-1	Provide a firm commitment for its construction water supply.	Submit commitment to CPM.	30 days prior to the start of construction	8/2/02	12/25/01	12/29/01	Complete
SOIL & WATER-2	Storm Water Pollution Prevention Plan (SWPPP) for construction.	Submit a copy of the SWPPP to the CPM for review and approval.	30 days prior to start of ground disturbances	12/15/01	8/31/01	10/16/01	Complete for project site
SOIL & WATER-2	Storm Water Pollution Prevention Plan (SWPPP) for construction.	Approval of the plan by the CPM must be received prior to the initiation of any clearing, grading or excavation activities.	Start of ground disturbance	1/14/02	8/31/01	10/18/01	Complete for project site
SOIL & WATER-3	Final erosion control and revegetation plan that addresses all project elements.	Approval of the final plan by the CPM must be received prior to the initiation of any clearing, grading or excavation activities.	Start of ground disturbance	12/15/01	8/31/01	10/18/01	Complete for project site
SOIL & WATER-4	Obtain SCWWD approval for all activities within floodways or upon or within the banks of watercourses.	Obtain SCWWD approval.	30 days prior to ground disturbance				
SOIL & WATER-5	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP), as required under the General Industrial Activity Storm Water Permit.	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP), as required under the General Industrial Activity Storm Water Permit.	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP).	12/15/01	8/31/01, 12/2/02, 12/20/02, 2/12/03	1/25/02	Complete (5 permits to date)
SOIL & WATER-5	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP), as required under the General Industrial Activity Storm Water Permit.	Submit a copy of the Storm Water Pollution Prevention Plan (SWPPP),	60 days prior to commercial operation				
SOIL & WATER-6	Industrial Discharge Permit from the City of San Jose Environmental Services Division.	Provide the CPM a copy of a valid industrial discharge permit.	2 weeks prior to commercial operation				
SOIL & WATER-6			45 days prior to commercial operation				

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRAVING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
SOIL & WATER-7	Obtain a Section 401 Certification from the San Francisco RWQCB. Shall only use groundwater for MEC process and domestic requirements and for back-up cooling make up from either the two wells and pipelines.	Submit to the CEC CPM a copy of the Section 401 Certification. Submit the following to the Energy Commission CPM: all construction specifications, a copy of the valid well permit(s) and registration numbers, any construction or operation conditions.	30 days prior to the start of any streambed alteration activities 30 days prior to construction of wells	5/1/03	12/02/02 (outfall)	Complete for outfall
SOIL & WATER-8	Shall only use groundwater for MEC process and domestic requirements and for back-up cooling make up from either the two wells and pipelines.	Notify the CPM that the wells have been installed and submit the results of the pump and aquifer tests conducted.	30 days after completion of wells			
SOIL & WATER-9	Design, construct, and fully fund the portion of the SBWR reclaimed water supply pipeline dedicated to, and essential for, the operation of MEC.	Submit evidence demonstrating that the project owner has negotiated or is negotiating one or more agreements to provide SBWR reclaimed water.	30 days prior to start of construction	8/2/02	8/24/01	10/1/01 Complete
GEO-1	Assign to the project an engineering geologist(s). Assign to the project an engineering geologist(s).	Submit to the CPM the name(s) and license number(s) of the certified engineering geologist(s). Notify CPM of replacement of Engineering Geologist.	30 days prior to start of construction	8/2/02	7/27/2001 1/28/02	N/A Complete
GEO-1	The assigned engineering geologist(s) shall carry out the duties required by the 1996 CBC.	Submit Grading Permit Application	1/28/02	1/28/02	2/6/02	Complete
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1996 CBC.	Submit a signed statement to the CPM stating that the Engineering Geology Report has been submitted to the CBO.	15 days after submittal of application	1/11/02	1/11/02	4/4/02 Complete
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1996 CBC.	Submit copies of the Final Engineering Geology Report to the CPM and the CBO.	90 days following completion of Final Grading	1/28/02	1/14/02	1/24/02 Complete
GEO-2	Ensure that the designated paleontological resource specialist(s) is available for field activities.	Submit the name and resume and the availability for its designated paleontological resource specialist.	90 days prior to start of construction	6/3/02	7/26/01	7/27/01 Complete
PAL-1	Ensure that the designated paleontological resource specialist is available for field activities.	Obtain CPM approval of the replacement specialist.	10 days prior to termination or release of PRS			
PAL-2	Prepares Paleontologic Resources Monitoring and Mitigation Plan. WEAT for paleo resources.	Provide the CPM with a copy of the Monitoring and Mitigation Plan.	60 days prior to start of construction	6/12/01	6/12/01	7/27/01 Complete
PAL-3	WEAT for paleo resources.	Submit to the CPM for review, comment, and written approval, the WEAT.	30 days prior to start of construction	9/20/01	9/20/01	10/3/2001 3/20/02 (video) Complete
PAL-3		Documentation for training of additional new employees.	Monthly Compliance Report			In progress
PAL-4	The designated paleontological resource specialist shall be present at all times he or she deems appropriate to monitor.	Include a summary of paleontological activities.	Monthly Compliance Report			In progress
PAL-5	Ensure recovery, preparation for analysis, analysis, identification and inventory, the preparation for curation, and the delivery for curation of all significant paleontological resource materials.	Maintain in compliance files copies of signed contracts or agreements with the designated paleontological resource specialist. Maintain these files for a period of three years after approval Paleontological Resources Report.	Periodic Audit by the CPM per PAL-5			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
START OF MOBILIZATION/ROUGH GRADING		1/14/2002		9/11/2002		
Condition No.	Requirements & Task Summary	Action required	Event	Required Submit Date	Dates submitted to CPM/CBO	Date approved by CPM/CBO
PAL-6	Ensure preparation of a Paleontological Resources Report by the designated paleontological resource specialist. Include in the facility closure plan a description regarding facility closure activity's potential to impact paleontological resources.	Submit a copy of the Paleontological Resources Report to the CPM for review and approval. Include a description of closure activities in the facility closure plan.	Within 90 days following completion of the analysis			
PAL-7	Design, construct and inspect the project in accordance with the 1998 California Building Code (CBC) and all other applicable LORS in effect at the time initial design plans are submitted to the CBO for review and approval.	Submit to the CPM a statement of verification attesting that all designs, construction, installation and inspection requirements of the applicable LORS and the Decision have been met.	Within 30 days after receipt of the Certificate of Occupancy.			
GEN-1	Design, construct and inspect the project in accordance with the 1998 California Building Code (CBC) and all other applicable LORS in effect at the time initial design plans are submitted to the CBO for review and approval.	Provide the CPM a copy of the Certificate of Occupancy.	Within 30 days after receipt of the Certificate of Occupancy.			
GEN-2	Submit to the CPM and CBO a schedule of facility design submissions, a Master Drawing List, and a Master Specifications List.	Submit the schedule, a Master Drawing List, and 60 days prior to start of rough grading	11/15/01	10/4/01	10/18/01	Complete
GEN-2	Submit to the CPM and CBO a schedule of facility design submissions, a Master Drawing List, and a Master Specifications List.	Provide schedule updates in Monthly Compliance Report	Monthly Compliance Report			
GEN-3	Make payments to the CBO for design review, plan check and construction inspection.	Make the required payments to the CBO at the time of submittal.	Submittal of plans to the CBO.			In progress
GEN-3	Make payments to the CBO for design review, plan check and construction inspection.	Send a copy of the CBO's receipt of payment to the CPM.	Monthly Compliance Report after Fees are Paid	11/15/01	12/14/01	N/A
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit to the CBO for review and approval, the name, qualifications and registration number of the RE.	30 days prior to start of rough grading	12/15/01	8/1/01	8/7/01
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO's approvals of the RE.	Within 5 days of CBO approval	8/12/01	9/19/01	N/A
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit qualifications of replacement RE.	Within 5 days	12/12/01	12/12/01	1/16/02
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO's approval of the new engineer (RE).	Within 5 days of CBO approval	1/21/02	1/18/02	N/A
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit qualifications of replacement RE.	Within 5 days	1/14/02	1/14/02	1/16/02
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO's approval of the new engineer (RE).	Within 5 days of CBO approval	1/13/02	1/20/02	N/A
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Submit to the CBO for review and approval, the names, qualifications, and registration numbers of all the responsible engineers.	30 days prior to start of rough grading	12/15/01	8/1/01	8/7/01

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/1/2002						
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	The project owner shall notify the CPM or the CBO's approvals of the engineers within five days of the approval.	Within 5 days of CBO approval	8/1/201	8/16/01	N/A	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Submit qualifications of replacement engineer.	Within 5 days		1/17/01 1/26/01	1/16/02	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer; C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Notify the CPM or the CBO's approval of the new engineer.	Within 5 days of CBO approval		1/18/02 & 1/28/02	N/A	Complete
GEN-6	Assign qualified and certified special inspector(s).	Submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications.	15 days prior to any activity requiring Special Inspection		1/11/02	1/16/02	In progress
GEN-6	Assign qualified and certified special inspector(s).	Submit to the CPM a copy of the CBO's approval.	Monthly Compliance Report after Special Inspectors are Approved		2/14/2002 10/22/02		In progress
GEN-6	Assign qualified and certified special inspector(s).	Replacement of special inspectors	Replacement of Special Inspector				
GEN-6	Assign qualified and certified special inspector(s).	Notify the CPM of the CBO's approval of the newly assigned Inspector.	Within 5 days of CBO approval				
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Submit monthly construction progress reports to the CBO and CPM.	Monthly Construction Progress Report				In progress
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Document the discrepancy and recommend the corrective action required.	Discrepancy in Design or Construction				
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Transmit a copy of the CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM.	Within 15 days of CBO Approval or Disapproval of Discrepancy				
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO's approval.	Within 5 days of CBO Approval or Disapproval of Discrepancy				
GEN-8	Obtain the CBO's final approval of all completed work.	Submit to the CBO, with a copy to the CPM, a written notice that the completed work is ready for final inspection, and a signed statement that the work conforms to the final approved plans.	Within 15 days of the completion of any work				
CIVIL-1	Prior to the start of site grading, submit to the CBO for review and approval the following: 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils report.	Submit the documents described above to the CBO for review and approval.	15 days prior to start of rough grading		12/30/01	8/27/01	4/2/02
CIVIL-1	Prior to the start of site grading, submit to the CBO for review and approval the following: 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils report.	Submit a written statement certifying that the documents have been approved by the CBO.	Monthly Compliance Report after CIVIL-1 Documents are Approved		5/14/02	5/14/02	Submitted with May Monthly Compliance Report.

METCALF ENERGY CENTER : COMPLIANCE MATRIX					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPW/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002				
START OF CONSTRUCTION	9/11/2002				
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Notify CPM within 5 days when work is stopped.	Within 5 days when work is stopped		
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Submit modified plans, specifications and calculations to the CBO based on new conditions.	Work Stopped Due to Unforeseen or Adverse Soil Conditions		
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Copy CPM within 5 days of CBO approval of Modified Plans.	5 days of CBO approval		
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Start of Rough Grading		
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	The resident engineer shall transmit to the CBO and the CPM, Non-Conformance Report and the proposed corrective action.	Within 5 days of discovery of discrepancy in grading		
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Submit the details of the corrective action to the CBO and the CPM.	Within 5 days of resolution of grading NCR.		
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	A list of NCRs, for the reporting month, shall also be included in the following Monthly Compliance Report.	Monthly Compliance Report after Resolution of Grading NCR.		
CIVIL-4	After completion of finished grading and erosion and sedimentation control and drainage facilities, the project owner shall obtain the CBO's approval of the final "as-graded" grading plans, and final "as-built" plans for the erosion and sedimentation control facilities.	Submit to the CBO the responsible Civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with the final approved combined grading plans.	30 days after completion of the Erosion and Sediment Control Mitigation and Drainage Facilities	7/26/02	7/26/2002 / 1/16/03
CIVIL-4	After completion of finished grading and erosion and sedimentation control and drainage facilities, the project owner shall obtain the CBO's approval of the final "as-graded" grading plans, and final "as-built" plans for the erosion and sedimentation control facilities.	Submit a copy of this report to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report following Completion of the Erosion and Sediment Control Mitigation and Drainage Facilities	8/14/02	8/14/2002 / 1/17/03

METCALF ENERGY CENTER: COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
						Status Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Submit to the CBO, with a copy to the CPM, the responsible design engineer's signed statement that the final design plans, specifications and calculations conform with all of the requirements.	30 days prior to any increment of STRUC-1 Construction			
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Obtain approval from the CBO of lateral force procedures proposed for project structures. Obtain approval from the CBO for the final design plans, specifications, calculations, soils reports, and applicable quality control procedures. Submit to the CBO the required number of copies of the structural plans, specifications, calculations. The final designs, plans, calculations and specifications shall be signed and stamped by the responsible design engineer.	90 days prior to the start of on-site fabrication and installation of each structure			In progress
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	If the CBO discovers non-conformance with the stated requirements, resubmit the corrected plans to the CBO with a copy to the CPM.	Within 20 days of receipt of the nonconforming submittal			
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Submit to the CPM a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and are in conformance with the requirements.	Approval by the CBO of Resubmitted STRUC-1 Submittal			
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Submit test reports and inspection reports to the CBO	Test Reports or Inspection Reports are Complete			
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	If a discrepancy is discovered in any of the above data prepare and submit an NCR to the CBO, with a copy of the transmittal letter to the CPM.	Within 5 days of discovery of discrepancy			
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Submit a copy of the corrective action to the CBO and the CPM.	Within five days of resolution of the NCR			
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Transmit a copy of the CBO's approval or disapproval of the corrective action to the CPM.	Within 15 days of CBO approval			
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO's approval.	Within 5 days of CBO disapproval			
STRUC-3	Submit to the CBO design changes to the final plans required by the 1998 CBC, Chapter 1, Section 106.3.2, Submittal documents, and Section 106.3.3.	Notify the CBO of the intended filing of design changes, and shall submit the required number of copies of revised drawings and the required number of copies with a copy of the transmittal letter to the CPM.	Design Changes to STRUC-1 Designs Previously Approved by the CBO			

METCALF ENERGY CENTER - COMPLIANCE MATRIX					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO
START OF MOBILIZATION/ROUGH GRADING	1/14/2002				
START OF CONSTRUCTION	9/1/2002				
STRUC-3	Submit to the CBO design changes to the final plans required by the 1988 CBC, Chapter 1, Section 106.3.2, Submittal documents, and Section 106.3.3.	Notify the CPM, via the Monthly Compliance Report, when the CBO has approved the revised plans.	Monthly Compliance Report		
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1988 CBC.	Submit to the CBO for review and approval, final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification.	30 days prior to the start of installation of the tanks or vessels		
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1988 CBC.	Send copies of the CBO approvals of plan checks to the CPM in the following Monthly Compliance Report.	Monthly Compliance Report		
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1988 CBC.	Transmit a copy of the CBO's inspection approvals to the CPM.	Monthly Compliance Report		
MECH-1	Prior to the start of any increment of piping construction, submit, for CBO review and approval, the proposed final design drawings, specifications and calculations for each plant piping system.	Submit to the CBO for approval, with a copy to the CPM, the proposed final design plans, specifications, calculations, and quality control procedures for that increment of construction of piping systems.	30 days prior to the start of any increment of piping construction		
MECH-1	Prior to the start of any increment of piping construction, submit, for CBO review and approval, the proposed final design drawings, specifications and calculations for each plant piping system.	Transmit a copy of the CBO's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of MECH-1 Piping Systems		
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	Submit to the CBO for review and approval, final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification, with a copy to the CPM.	30 days prior to the start of on-site fabrication or installation of any pressure vessel		
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	The project owner shall send copies of the CBO plan check approvals to the CPM in the following Monthly Compliance Report.	Monthly Compliance Report after CBO Approval of Plan Checks for Pressure Vessels		
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	Transmit a copy of the CBO's and/or Cal-OSHA inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of Pressure Vessels Defined in MECH-2		

## METCALF ENERGY CENTER - COMPLIANCE MATRIX

Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CRM/CBO	Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002						
START OF CONSTRUCTION	9/1/2002						
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Submit to the CBO the required HVAC and refrigeration calculations, plans and specifications. Including a copy of the signed and stamped statement from the responsible mechanical engineer, with a copy to the CPM.	30 days prior to the start of construction of any HVAC or refrigeration system				
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Send copies of CBO comments and approvals to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report after CBO Approval of Plan Checks for HVAC Systems				
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Transmit a copy of the CBO's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of HVAC Systems Defined in MECH-3				
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Submit to the CBO the final design plans, specifications and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable edition of the CSC	30 days prior to the start of construction of any of the above systems				
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Send the CPM a copy of the transmittal letter with the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable edition of the CBC in the next Monthly Compliance Report.	Monthly Compliance Report after Mechanical Engineer Certification of HVAC System per MECH-4				
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Transmit a copy of the CBO's inspection approvals to the CPM in the next Monthly Compliance Report following completion of that increment of construction.	Monthly Compliance Report after CBO Inspection of HVAC System per MECH-4				

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action Required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
						Status/Comments
START OF MOBILIZATION/ROUGH GRADING	1/14/2002					
START OF CONSTRUCTION	9/1/2002					
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.	Submit to the CBO for review and approval the final design plans, specifications and calculations for electrical equipment, including a copy of the signed and stamped statement from the responsible electrical engineer.	30 days prior to the start of each increment of electrical construction			
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.	Send a copy of the transmittal letter of the signed and stamped statement from the electrical engineer attesting compliance with the applicable LORS to the CPM.	Monthly Compliance Report after submitting Electrical Documents for CBO Approval per ELEC-1			
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.	The following activities shall be reported in the Monthly Compliance Report: 1. Receipt or delay of major electrical equipment. 2. Testing or energization of major electrical equipment.	Monthly Compliance Report after Receipt or Testing of Equipment or CBO Approval of Electrical Drawings per ELEC-1			
ELEC-2	The project owner shall submit to the CBO the required number of copies of items A and B for review and approval and one copy of item C [CBC 1996, Section 106.3.2, Submittal documents.]	Submit to the CBO for review and approval the final design plans, specifications and calculations, for electrical equipment, including a copy of the signed and stamped statement from the responsible electrical engineer certifying compliance with the applicable LORS.	30 days prior to the start of each increment of electrical equipment installation			In progress
ELEC-2	The project owner shall submit to the CBO the required number of copies of items A and B for review and approval and one copy of item C [CBC 1996, Section 106.3.2, Submittal documents.]	Send a copy of the transmittal letter of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report after submitting Electrical Documents for CBO Approval per ELEC-2			
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE-1a - h listed in Conditions of Certification.	Submit for approval to the CPM: Design drawings, specifications and calculations for the poles/towers, foundations, anchor bolts, conductors, groundings, systems and major switchyard equipment.	60 days prior to construction of transmission facilities			
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE-1a - h listed in Conditions of Certification.	Submit for approval to the CPM: b) For each element of the transmission facilities as identified above, the submittal package to the CPM shall contain the design criteria, etc.	60 days prior to construction of transmission facilities			
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE-1a - h listed in Conditions of Certification.	Submit for approval to the CPM: c) Electrical one-line diagrams signed and sealed by the registered professional electrical engineer in responsible charge, a route map, and an engineering description of equipment.	60 days prior to construction of transmission facilities			
TSE-2	Inform the CPM of any impending changes which may not conform to the requirements of 1a - h listed in TSE-1 and request CPM approval to implement changes.	Inform the CPM of any impending changes which may not conform.	60 days prior to construction of transmission facilities			

METCALF ENERGY CENTER - COMPLIANCE MATRIX						
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM "as built" engineering description(s) and one-line drawings of the as-built facilities signed and sealed by a registered electrical engineer in responsible charge.	Within 60 days after synchronization of the project			
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM an "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities signed and sealed by the registered engineer.	Within 60 days after synchronization of the project			
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM a summary of inspections of the completed transmission facilities, and identification of any nonconforming work and corrective actions taken, signed and sealed by the registered engineer.	Within 60 days after synchronization of the project			
Governor's Executive Order No. D-25-01	Milestones, and method of verification must be established and agreed upon by the project owner and the CPM no later than 30 days after project approval, the date of docketing. If this deadline is not met, the CPM will establish the milestones.	ESTABLISH PRE-CONSTRUCTION MILESTONES TO ENABLE START OF CONSTRUCTION WITHIN ONE YEAR OF CERTIFICATION	Project Certification	10/24/01	10/24/01	11/19/01
US Dep Commerce	Milestones, and method of verification must be established and agreed upon by the project owner and the CPM no later than 30 days after project approval, the date of docketing. If this deadline is not met, the CPM will establish the milestones.	ESTABLISH CONSTRUCTION MILESTONES FROM DATE OF START OF CONSTRUCTION	Project Certification	10/24/01	10/24/2001 9/10/02 (rev.)	11/19/2001 10/25/02 (rev.)
Pre-constr matrix	The project applicant shall notify the NMFS Santa Rosa office when project construction begins and ends. (horizontal drilling)	Notify NMFS	Start of streambed alteration activities			
Compliance matrix	Prior to commencing construction a compliance matrix addressing only those conditions that must be fulfilled before the start of construction shall be submitted to the CPM.	Construction shall not commence until the pre-construction matrix is submitted; all pre-construction conditions have been complied with, and the CPM has issued a letter to the project owner authorizing construction.	Start of Construction	9/1/02	8/7/02	Complete
	A compliance matrix shall be submitted by along with each monthly and annual compliance report.	Submit compliance matrix to CPM	Monthly Compliance Report	11/15/01	11/15/01	On-going

## **CBO SUBMITTALS, COMMENTS AND APPROVALS**

**METCALF ENERGY CENTER  
MONTHLY COMPLIANCE REPORT #18**



Power Plant CBO Team  
Metcalf Energy Center  
San Jose, California

March 19, 2003

## DISPOSITION

**Metcalf Energy Center**  
1 Blanchard Road  
San Jose, CA 95013

**Attention: Nicholas LaPorte, Project Manager**

Subject: CEC Docket No.: (99-AFC-3)  
Condition of Certification: GEN-5/LINEAR/GAS  
CBO Project No.: MEC 13254  
Submittal Dated: February 5, 2003

Gentlemen,

The CBO has reviewed the above referenced submittal for and provides the following disposition conditioned upon response to Note(s):

**Responsible Mechanical Engineer:** John J. Byrne, P.E., CA #12760  
**Responsible Civil Engineer:** Bernard Wroblewski, P.E., CA #21859

The qualifications are **CONDITIONALLY APPROVED** subject to notes:

**Note 1:** Describe organization and individuals performing actual design work.

**Note 2:** Confirm that the Civil Engineer shall monitor construction progress and provide consultation to the RE during design and construction of the project.

Sincerely,

For: **Donald C. Wimberly, P.E.**  
Delegate Chief Building Official  
Willdan/AIMS CORPORATION

**Hans (G.J.) Kosten**  
Deputy CBO  
Willdan/AIMS CORPORATION

Copy: Kristen O'Kane – Calpine CMCI  
Kevin Deters – Calpine CMCI  
Barbara Hatt – Calpine CMCI (Doc. Control)

CBO file: B. Brierty



Power Plant CBO Team  
Metcalf Energy Center  
San Jose, California

March 21, 2003

## DISPOSITION

**Metcalf Energy Center**  
1 Blanchard Road  
San Jose, CA 95013

**Attention: Nicholas LaPorte, Project Manager**

Subject:	CEC Docket No.:	(99-AFC-3)
	Condition of Certification:	GEN-5/TSE-1
	CBO Project No.:	MEC 13254
	Submittal Dated:	February 4, 2003

Gentlemen,

The CBO has reviewed the above referenced submittal and provides the following disposition, conditioned upon response to Note(s):

**Structural Engineer:** Carl Johnson, P.E.: **APPROVED (see note 1)**

**Structural Engineer:** Kevin Murar, P.E.: **APPROVED (see note 1)**

**Note 1:** Copy of California Registration of the Professional Engineers shall be provided.

Sincerely,

For: **Donald C. Wimberly, P.E.**  
Delegate Chief Building Official  
Willdan/AIMS CORPORATION

**Hans (G.J.) Kosten**  
Deputy CBO  
Willdan/AIMS CORPORATION

Copy: Kristen O'Kane – Calpine CMCI  
Kevin Deters – Calpine CMCI  
Barbara Hatt – Calpine CMCI (Doc. Control)

CBO file: B.Brierty

**WILLDAN CBO PROJECT NO. 13254**  
**WILLDAN CBO DOCUMENT SUBMITTAL RECORD**  
**CALIFORNIA STATE BAR ACT CBO**

Cond.	Pack. No.	CBO No.	Package Title	Review/Approval Dates				Comments - Action Required		Submitted	Response
				Issued	Due	To Checker	From Response	Plan Check	Status		
STRUC-1	00005		CTG & STG Foundation Piling Drawings S110 Composite Pile Plan Rev A S111 Pile Sections and Details S200 CTG Pedestal Pile Location Plan S240 STG Pedestal Pile Location Plan	2/16/2002 2/27/2002	3/21/2002 3/29/2002				A-3/29/02		
STRUC-1	00006		Spec's for concrete curing, forming & Grout 03100, 03390 & 03600 Rev. A	2/15/2002 3/8/2002	3/15/2002 See 00017				3/15/2002		4 4
STRUC-1	00011		CTG, STG & HRSG Pile Calculations	2/28/2002 3/21/2002	3/21/2002 3/29/2002				A-3/29/02		
STRUC-1	00013		Overdue Response Notification CBO 0005, 0006, 0007	3/11/2002				Rsp to 00005,00006,00007			3 3
STRUC-1	3001		HRSG Foundation and Lateral calculations	8/9/2001							
STRUC-1	3001		HRSG Structural Calculations	11/1/2002							C-9/28-01
STRUC-1	3001		HRSG - Frame corner connections, shear blocks, base plates and casling stiffeners								C-11/7/02
STRUC-1	3002	00003	Piling Specs (test piles) , 02472, Concrete Filled Pipe Piles, Rev.C 02473 Pile Test Program Rev 0 03200 Concrete Reinforcement Rev 0 03300 Cast-In-Place Concrete Rev. 0 S108 Pile Load Test Plan Rev. 0.	1/31/2002	3/1/2002 See 00015				C-3/1/02		C-1/14/02
STRUC-1	3002	00015	Piling Specs (test piles) 02472, Concrete Filled Pipe Piles, Rev.C 02473 Pile Test Program Rev A 03200 Concrete Reinforcement Rev A 03300 Cast-In-Place Concrete Rev. A S108 Pile Load Test Plan Rev. D. S109 Test Pile Sections & Details Rev. D	3/14/2002 3/21/2002	3/21/2002 3/29/2002				A-3/29/02		
STRUC-1	3002	00089	Water Pipe Specification 03300 Dwg. For Circ. Water Pipe Support Frame	10/29/2002 11/19/2002							6 6
STRUC-1	3002	000153	Piling Specs: 1 Specification Spec# 02472-R4 Concrete Filled Pipe Piles	3/1/2002 3/10/03 3/24/03							1
STRUC-1	3004		Report on Seismic Design Motions								1
STRUC-1	3006		Concrete Specs : 3 Documents Concrete formwork Curing & Grout Spec 03100, Grout, Spec 03600 Rev.A.	1/31/2002							1
STRUC-1	3006	00017	Specs for concrete curing, forming & Grout 03100, 03390 & 03600 Rev. A.	3/20/2002 4/10/2002							3 3
STRUC-1	3007		Design Report for WS01F Exhaust System Diffuser								3 3
STRUC-1	3009	00008	HRSG Piles: Pile Location Plan S300	2/20/2002 3/13/2002	3/21/2002 3/29/2002				A-4/24/02		1 1
									A-5/15/02		1 1

**NET-ZERO DOCUMENT SUBMISSION RECORD**  
SAPINE & RAND CBO

**WILLDAN CBO PROJECT NO. 13254**

Cond.	Pack. No.	CBO No.	Package Title	Review/Approval Dates					Comments - Action Required			Submitted	Response
				Issued	Due	To Checker	From Checker	Plan Check	Status				
STRUC-1	3010	00014	Gas Turbine documentation SWPC-CM-008 Enclosure "B" Side Platform Analysis SWPC-CM-009 Generator End Exterior Platform and Stair SWPC-CM-011 Exhaust End Exterior Platform and Stair 17-001-HR Sheets 1-7 R	3/13/2002 4/3/2002	4/4/2002	See 00031		C-4/3/02					
STRUC-1	3010	00031	Gas Turbine Document- Calculations and other documentation and Siemens Westinghouse response to Willdan's 4/3 Comments Dwg 17-001-HR.R1	5/17/2002				A-5/31/02					5 5
STRUC-1	3010	00071	Siemens Westinghouse: Dwg 17-001-HR.R2 General Arrangement 501-FD Inlet Silencer System. Specs 01410 Rev. B -Testing Laboratory Services	9/18/2002 10/10/2002									
STRUC-1	3011	00016	Civil Structural Design Criteria	4/8/2002				A-4/8/02					1
STRUC-1	3012	00013	Civil Structural Design Criteria - fixed head moment values for each pile.	3/20/2002 4/10/2002	4/18/2002	as CBO 00026		N-4/18/02					1 NA
STRUC-1	3012	00026	Civil/Structural Design Criteria	4/26/2002				C-5/15/02					1 1
STRUC-1	3012	00018	Civil/Structural Design Criteria	5/17/2002									
STRUC-1	3012	00082	Civil/Structural Design Criteria Rev. 1	10/3/2002				See 00018 & 00026	A-5/15/02				1 1
STRUC-1	3013	00019	Gen. Notes & Typical Detail Drawings S101, S680, S685, S680, S980, S981, S984, S985, S986, S989, S991, S993 & S997 Rev.0	10/24/2002				A-11/7/02					1 1
STRUC-1	3013	00027	Gen. Notes & Typical Detail Drawings S101, S680, S685, S680, S980, S981, S984, S985, S986, S989, S991, S993 & S997 Rev.A	4/29/2002 5/20/2002	4/23/2002			A-4/30/02					13 13
STRUC-1	3014	00022	CTG, STG, HRSG Piles Calculations Concrete Filled Pipe Piles, 02484-001-06-001 Rev O Combust Turb Found Unit 1, 02484-001-06-004 Rev. O Steam Turb Pst Found, 02484-001-06-005 Rev. O Mat Foundation for HRSG and Stack Unit 1, 02484-001-06-001 Rev. O Compos	4/29/2002 4/25/2002				A-4/30/02					13 13
STRUC-1	3014	00082	Composite Pile Plan: Drawing S110-R1	10/3/2002 10/24/2002				4/26/2002	see 00029	A-5/8/02			
STRUC-1	3014	000135	Composite Pile Plan: Drawing S110-R2 Pile Section Detail Dwg S111-R1	0/12/03 0/22/03									
STRUC-1	3015	00023	HRSG & Stack Foundation Mat Calc 02484-001-06-007 - Unit 2 Foundation Drawings: S305 HRSG Plan Unit #1 Rev. 0 S306 HRSG Plan Unit #2 Rev 0 S307 HRSG Reinforcing Plan Unit #2 Rev 0 S308 HRSG Reinforcing Plan Unit #2 Rev 0 S310 HRSG Section & Details Unit	4/12/2002 5/3/2002									4 4
STRUC-1													6 6

**WILLDAN CBO DOCUMENT SUBMITAL RECORD**  
CBO ENGINEER AND O&G

Cond.	Pack. No.	CBO No.	Package Title	Review/Approval Dates				Comments - Action Required			Submitted Documents	Response
				Issued	Due	To Checker	From Checker	Plan Check	Status			
STRUC-1	3016	00021	200 Gal. Reservoir Hydraulic Power Unit/Seismic Calc.	4/2/2002					A-5/10/02			1 1
STRUC-1	3017	00024	CTG Foundation: Drawings & Calcs. - CTG Foundations Calc 024B-001-06-004 CTG Units 1&2 Found. Rev.0 S205 CTG Units 1&2 Rev 0 S206 CTG Units 1&2 Rev 0 S208 CTG Units 1&2 Rev 0 S210 CTG Units 1&2 Rev 0	4/23/2002								Approved with 2010 Approved Disposition dated 10/22/2002
STRUC-1	3017	00073	CTG: Revisions and Resubmittal with the new Pile capacities - Calculations for CTG foundations Calculation 024B-001-06-004Rev 1 Dated 9/13	9/19/2002					JL	A-10/22/02	see 00072	
STRUC-1	3017	00095	CTG Foundation S205 Combustion Turbine Generator Units 1 & 2 Foundation Plan, Rev. 1 dated 10/29/02	11/5/2002					hold		BB to research correspondence - Done Confirmed Pile Design Approved 4/09/03	1 1
STRUC-1	3018	00030	Pile Testing Revised doc. - ECN 001 Revisions for Specs 02473, Drwg S108, S109, Doc. Review by Lowney Associate - ECN 001	5/7/2002				see 3037	A-5/15/02		Superceded by 3037	
STRUC-1	3018	00032	Pile Testing Revised documents ECR 003 Spec 02472 Concrete-filled pipe piles Rev.1 S108, Pile Load Test Plan Rev.2 S109, Test Pile Sections and Details, Rev.2	5/20/2002				see 3037	NA		Superceded by 3037	4 4
STRUC-1	3018	00040	Pile Test Program: Revised Documents - Drwg S108, Pile Load Test Plan, Rev.3	6/20/2002				see 3037	NA		Superceded by 3037	NA
STRUC-1	3018	00044	Pile Test Program: (ECR No. 004) Revisions to pile test program base on the test results obtained to date.	6/27/2002								4
STRUC-1	3018	00059	Pile Test Program: (ECR No. 004) Revisions to pile test program base on the test results obtained to date.	7/19/2002				see 3037	7/23/2002		Superceded by 3037	2
STRUC-1	3019	00033	Specifications: 01410, Testing Laboratory Services Rev.0 05120, Structural Steel, Rev.0 13121 Pre-Engineered Buildings, Rev.0	8/6/2002				see 3037	A-9/26/02		Superceded by 3037	1
STRUC-1	3020	00034	STG Platform Piles: Drawings and Calculations S120 STG Pile Plan, Rev.0	8/24/2002					A-6/14/02			
STRUC-1	3020	00035	STG Platform Calcs	8/14/2002				see00066	JL	6/24/2002	Approved but it was resubmitted as 3028	3 3
STRUC-1	3020	00066	STG Platform Calcs 028A-001-06-029 Rev 0 S800, S805, S810, S830 Rev. 0	9/30/2002				10/7/02	JL			2
STRUC-1	3020	00087	STG Platform: Drawings S700 Rev. 0 dated 10/21/02, S701, S705, S706, S750, S751, S752, S765, S766, S775, S776, S752, S765, S766, S775, S776, S800, S805, S810 Rev. 1, S811, S812, S813 Rev 0, S830, Rev.1, S831, S832, S835,	10/28/2002				11/18/2002	JL	10/8/02[will resubmit]	Includes Calcs for Circ-water pipe supt Approved drvg in 3041-000090 Unstamped Response from checker was misplaced for a while. Engineer inquiry 1/2/03	15
STRUC-1	3021	00036	Siemens Westinghouse Documents - Design and Load Calculations for Gland Seal Steam Skid W/01F Turbine Enclosure Structure-C1 Pipe Rack Structure-Design and Load Calculations for Leakoff Steam DS Skid-Condenser Foundation Arrangement and Foot Loads-Design	6/27/2002				7/1/2002	JL	N-7/10/02		23
												3

**NETSOL DOCUMENT SUBMITAL RECORD**  
FOR ONE BERM AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review/Approval Dates				Comments - Action Required			Submitted	Response
				Issued	Due	To Checker	From Response	Plan Check	Status			
STRUC-1	3021	00049	Siemens Westinghouse Documents 000-000-125-742 Cables and Fogger Skid Anchorage 000-000-125-740 Found. Loads and Anchoring/Steam Turbine Seismic Loads 000-000-125-714 Struc Calc & Dwgs	7/9/2002				HK		Sent to JL (Industry 10/4)		
STRUC-1	3021	00093	Design Calculations for Vacuum Pump Skid for Main Steam Condenser - SC-26787-CBO	11/1/2002								3
STRUC-1	3021	00106	Siemens Westinghouse Calculation Revisions 1.) CTG Pipe rack structures SWPC-CM-007 2.) Design & load calculations for ST tube oil module 43237-LOAD 3.) Design & load Calc for leakproof Steam Skid 43277-LOAD 4.)W501F Turbine Enclosure Structure DA 182. 5.)Condenser	11/21/2002								1
STRUC-1	3021	00108	Siemens Westinghouse Doc. Condition of Certification 1.) Steam Turbine Cross-over Pipe Calculations SWPC# 000-000-140-477	11/25/2002								5
STRUC-1	3022	00037	Roadway: Moved to CIVIL Section	00/0/0/00	00/0/0/00							1
STRUC-1	3022	00056	Roadway: Moved to CIVIL Section	08/0/2/02	08/22/02							3 NA
STRUC-1	3022	00062	Roadway: Moved to CIVIL Section	08/21/02	09/1/2/02							1 1
STRUC-1	3022	00113	Roadway: Moved to CIVIL Section	12/6/2002	00/0/0/00							3 3
STRUC-1	3022	000118	Roadway: Moved to CIVIL Section	1/23/02	01/07/03							2 2
			STG Platform Foundation: Drawings									
STRUC-1	3023	00038	S120 Steam Turbine Pile Plan Rev. 1 S125 Steam Turbine Foundation Plan Rev. 0 S135 Steam Turbine Pile Cap Details Rev. 0 S180 Steam Turbine Section & Details Rev. 0 S191 Steam Turbine Section & Details Rev. 0 S192	06/19/02 07/11/02	7/23/2002	see 00061	7/23/2002				BB to research correspondence	
STRUC-1	3023	00061	STG Platform Foundation: Response to CBO and Calcs 0248-001-06-028 Rev. 2, Dwgs: S125 and S190 Rev. 1	8/15/2002 9/15/2002							BB to research correspondence	6
STRUC-1	3023	00065	STG Foundation : Calcs 024-001-06-030 Rev 0 Excitation Dwg S720 Exciter Access Platforms Plan Section & Details Rev. 0	d-9/20/2002							BB to research correspondence	3
STRUC-1	3023	00088	STG Platform Foundation: Dwgs: S120, S125 & S190 Rev/2 Dated 10/28/02, dwgs S135, S191 & S192 Rev1 dated 10/28 11/18/2002	10/28/2002 11/18/2002	To Checker 11/06/02						EM GJ Approved Unstamped	2
STRUC-1	3023	00096	STG Platform Foundation Plan, Rev. 1 dated 11/01/02	11/5/2002 11/28/2002	To Checker 11/06/02						EM GJ File Plans approved	6
STRUC-1	3023	00103	STG Platform Foundation: Response by Burns and Roe, Revised Drawing S192R2	11/03/02 12/04/02	To Checker 01/15/03						GJ	1
STRUC-1	3023	000131	STG Platform Foundation: Response to CBO letter of 11/11/02 consisting of 2 Calculations 11 Drawings	01/17/03 02/07/03	To Checker 01/23/03						GJ	13

**WETCAFE DOCUMENT SUBMISSION RECORD**  
CALIFORNIA NEBRAND CBO

**WILLDAN CBO PROJECT NO. 13254**

Cond.	Pack. No.	CBO No.	Package Title	Review / Approval Dates					Comments - Action Required		Submitted Documents	Response
				Issued	Due	To Checker	From Checker	Response	Plan Check	Status		
			STG Platform Structure: Response to CBO letter of 11/15/03; One revised drawing: S720R1 Access Platform	01/17/03 02/07/03	01/29/03 01/29/03	To Checker To Checker	GJ					
STRUC-1	3023	000133	Visual Screen Foundation: Design Loads - Calculations and Dwg SS-1A, Foundation Load Plan	6/20/2002 7/12/2002	8/23/2002	7/23/2002 See 00068	See 00068	N-7/23/02				
STRUC-1	3024	00039	Visual Screen: Detail Calculations and Dwg SS1 to SS9	8/23/2002								
STRUC-1	3024	00058	Visual Screen: Burns & Roe Response to Willdan-David Newman Foundation Load Plan drwg SS1-A	09/06/02 09/27/02	10/29/02 10/30/02	To Check Front Check	GJ EM Approved Unstamped					
STRUC-1	3024	00068	Visual Screen: 1 Calc, 10 Dwgs: Calculation GHLL# 201044.03 SS-1.Rev 1 Foundation Plan SS-1A.Rev 1 Foundation Load Plan SS-2. Rev 1 Foundation Pile Details - Not Approved SS-3. Rev 1 Foundation Pile Cap Detail PC-8C SS-4. Rev 1 Foundation Pile Cap Detail PC-8A & Pile Section SS-5. Rev 1 Foundation Pile Cap Detail PC-6A SS-6. Rev 1 Foundation Pile Cap Detail PC-8B SS-7. Rev 1 Foundation Pile Cap Detail PC-8D SS-8. Rev 1 Foundation Pile Cap Detail PC-20A SS-9. Rev 1 Piers on Two HRSG Bases - Not Approved	01/21/03 02/11/03	01/31/03	03/12/03 GJ			Partial Approval			
STRUC-1	3025	00041	Specifications 02740.3200 (Aggregate Base Coarse Asphalt, paving, concrete reinforcement)	6/24/2002 7/16/2002				A-7/23/02				
STRUC-1	3026	00042	Pile Submittals: MORT-01-00-0002 Pile Driving Hammer MORT-01-00-0003-Pile Driving Crane Data Sheet MORT-01-00-0004-Pile Driving Analyzer Data Sheet MORT-01-00-0005-Ground Vibration Equipment Data MORT-01-00-0006-Noise Monitoring Plan MORT-01-00-0009-Pile L	6/26/2002 7/16/2002	To Check 10/04/02		JL					
STRUC-1	3027	00043	Cooling Tower calc Rev. 0	6/27/2002 7/22/2002		7/23/2002		N-7/23/02				
STRUC-1	3027	00060	Cooling Tower Foundation: Burns & Roe response to 00043 Calculations 02484-001-06-010 Rev 1 and drawings S350, S351, S352, S355, S356, S357 AND S363 Rev 1	8/12/2002 9/14/2002	10/10/2002		see CBO 00076	10/10/2002 superceded				
STRUC-1	3027	00076	Cooling Tower: Dwg & Calc. Cooling tower Basin redesign for pile capacity Calcs 02484-001-06-010 Rev 2, S350, S351, S352, S355, S356, & S363 Rev 2 dated 9/24/02	10/09/2002				C 10/15/02				
STRUC-1	3027	00094	Piles in Pump Pit, Area and Inlet Header Foundations Pump Pit Found Calcs 02484-001-06-011 Rev. 0 Circ Water Pipe Support Calcs 02484-001-06-034 Rev. 0 Cooling Tower Pile Dwgs # S350R3, S351R3, S352R3	11/04/02 11/08/02	To Checker 11/08/02	Fro Check 11/13/02	To Engineer EM GJ 11/13/02					
STRUC-1	3027											

CT Piles (less pump pit area) were approved via BB e-mail on 11/13/02 with comments resulting in correspondence. Pump-Pit Piles were Oked by GJ e-mail of 11/15/02 and via EM e-mail on 11/19/02. By email BB approved 11/25/02

**TECHNICAL DOCUMENT SUBMISSION RECORD**  
COUNCILMAN'S OFFICE - PLANNING & ZONING

**WILLDAN CBO PROJECT NO. 13234**

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates					Comments - Action Required			Submitted Documents	Response
				Issued	Due	To Checker	From Response	Plan Check	Status				
STRUC-1	3027	000101	Cooling Tower Structure & Foundations S360, S361, S364, S365, S366, S367, S368 Rev 0 dated 11/01/02Calcs 02484-001-06-011submitted in previous packet.	11/07/02 11/29/02	To Checker 11/13/02	Fro Check 11/18/02	To Engineer 11/25/02	EM GJ	Re-designed	Pump pit structures comments were significant. Pump area was re-designed and submitted on CBO #00117 on 12/23/02		8	8
STRUC-1	3027	000115	Cooling Tower Foundation: Drawings, dwgs: S365 R3, S356 R3, S357 R3, S362 R0, S363 R3, S366 R1	12/11/2002 10/22/2003	To Checker 12/13/02	Fro Check 12/18/02	To Engineer 12/20/02	GJ	Not Approved	Comments need response from engineer		6	6
STRUC-1	3027	000117	Cooling Tower Pump Structure Dwgs & Calc. Calc: 02484-001-06-011 Draw: S361 R1, S364 R1, S365 R1, S366 R1, S367 R1, S368 R2	12/23/02 01/15/03	To Checker 01/07/03							7	3
STRUC-1	3027	000125	Cooling Tower Foundation: Drawings, Response to Comments dwgs: S355 R4, S356 R4, S357 R4, S362 R1, S363R4	01/03/02 01/23/03	To Checker 01/09/03	Fro Check 01/17/03	Approved	GJ				5	0
STRUC-1	3027	000127	Cooling Tower Pump Structure: Supplemental Drawing S860R0 Access Stair	01/07/03 01/28/03	To Checker 01/09/03								
STRUC-1	3028	00045	STG Pedestal: Drawings/Cals calc# 02484-001-06-005R0 Drawing: S245R0, S246R0, S247R0, S250R0, S255R0, S260R0, S265R0, S266R0, S267R0, S268R0, S269R0, S270R0, S271R0, S272R0, S273R0, S275R0, S276R0	6/27/2002 7/22/2002						N-7/23/02		18	NA
STRUC-1	3028	00081	STG Pedestal Foundations Piling: Calculations and Drawings	10/03/02						A-10/28/02			
STRUC-1	3028	00098	STG Pedestal Access Platform: Calcs No. 02484-001-06-033 STG Pedestal Access Platform S715, Rev 0 dated 11/01/02	10/10/02 11/27/02	To Checker 11/25/02	Fro Check 12/19/03	To Engineer 1/15/03	GJ	Not Approved	Significant comments on drawing S715 and one Calculation comment precludes approval at this time.		3	
STRUC-1	3028	00145	STG Pedestal: 1 Drawing, 1 Letter	03/07/03								2	
STRUC-1	3028	000152	Drawing & Calculation Calculation 02484-001-06-029, STG Platform Foundation Design Drawing S730, Circ. Water Pipe Support Frame	03/12/03 03/24/03									
			STG Pedestal: 11 Drawings: S245-R1 STG Pedestal Foundation Plan S246-R2 STG Pedestal Foundation Sections S247-R1 STG Pedestal Misc. Sections S250-R1 STG Pedestal Operating Floor Plan S265-R1 STG Pedestal Concrete Section S269-R1 STG Pedestal Concrete Sections S270-R1 STG Pedestal Concrete Sections S271-R1 STG Pedestal Concrete Sections S275-R2 STG Pedestal Imbedment Sections S276-R1 STG Pedestal Imbedment Sections CTG: S206dg Units 1 & 2 Rev 1										
STRUC-1	3028	00154		7/22/2002 7/25/2002						C-9/30/02 Verbal	Disposition dated 10/9/02	1	1
STRUC-1	3029	000120	CTG Containment Trench: Draw/Cals calc# 02484-001-06-041 draw: S225 R0, S226 R0, S227 R0	12/27/2002 1/20/2003	From Check 01/07/03					BB to review & prepare comment . Minor Comment/Expansion Joint		4	0
STRUC-1	3030	00052	Drawing S108, Rev 4	7/23/2002 8/11/2002						A-9/30/02		1	1

**WILLDAN CBO DOCUMENT SUBMITTAL RECORD**  
GATE LINE BAR AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates					Comments - Action Required		Submitted Documents
				Issued	Due	To Checker	From Response Checker	Plan Check	Status		
STRUC-1	3031	00053	Precast Concrete Electrical Manholes , Rev 0 Spec. 02885 02315 Earthwork Rev 0	7/26/2002 8/16/2002				C-10/9/02			2 2
STRUC-1	3031	00079	Earthwork Spec 02315 Rev 1 dated 9/25 Chain Link Fences and Gates Spec 02821 Rev.0 dated 9/26 Specification 02315, Earthwork, Rev. 2	09/30/02 10/17/02							
STRUC-1	3031	000148	STG Pedestal: Revised Plan for STG Pedestal-Burns and Roe Response to Willdan of 7/24/02	3/10/2003 No resp req'd				EM		Being reviewed by Eric Moran	2
STRUC-1	3032	00055	BOP Electrical / Control Building: Draw/Cals calc# 0284-001-06-032 drawings: A100R0, A105R0, A131R0, A133R0, A140R0, A141R0, A150R0, A158R0 Siemens STG Enclosure	08/01/02 08/22/02				Supersedes 3028 & 3020	A-10/28/02		
STRUC-1	3034	00063	CTG Inlet Air Filter & Silence foundation: Caics 0248-001-06-027 Rev 0 Drawing S220 Rev 0	08/22/02 09/13/02	1/28/2003	02/03/03	vertical CBO meeting 2/04	EM		Approved, Unstamped EM approved over phone	
STRUC-1	3035	00085	CTG Inlet Air Filter & Silence foundation: Caics 0248-001-06-027 Rev 0 Drawing S220 Rev 0	10/15/02 11/04/02							1 1
STRUC-1	3036	00070	CTG: Drawings & calculations sound Barrier CTG Inlet: Caics 0248-001-06-031 Rev. 0 dated 9/19 Drwg S768 Units 1&2 Rev 0 and S769 Units 1&2 Rev 0	09/17/02 10/01/02							2 0
STRUC-1	3036	000075	CTG: Air Filter Housing Structural Steel Calculations and drawings, Siemens / Carlton Engg / Pneumafil Mfg	09/25/02 10/18/02							3 0
STRUC-1	3036	000129	CTG Equipment: Starter Package	01/13/03 02/03/03	To Checker					Package needs to be reviewed by Structural Eng Secondary to Main Concrete Foundations	9 0
STRUC-1	3036	000129	1-Calculations 9-Drawings	04/07/03 04/28/03							
STRUC-1	3037	000072	Pile Load Testing: Lowney's conclusions and Recommendations and the following documents: Pile driving records (for all 27 piles), PDA results (for all 27 piles)- CAPWAP results (for 24 bollars on 14 separate piles)-Pile load test results-Specs 02472 Rev. 1,	9/19/2002				Supersedes 3018	A-10/22/02	Replaces all of 3018 per transmittal records this submittal is part of 3017 CBO 00073	4 4
STRUC-1	3038	000077	PDC's: Moved to ELECT Section	09/25/02 10/09/02							
STRUC-1	3039	000078	Boiler FeedWater Pump Foundation: Calc 02484-001-06-016 Drawing S320 Rev.0, Section and Details S321 Rev. 0	9/27/2002							
STRUC-1	3040	000082	Drawing S110, Rev 1 & Design Criteria Rev. 1	10/03/02 10/24/02						E. Moran	A-10/31/02
STRUC-1	3041	000090	Clrc Water Pipe Support : Dwg S730, Rev. 0	10/30/02 11/06/02	To Check	From Check	To Engineer 01/23/03	JL	Not Approved	Calcs from 3020-0008/ STG Platform Major Comment. Watch this one.	1 1
STRUC-1	3042	000092	Pipe Rack Structure: Calcs 02484-001-06-022, Pipe Rack Steel Design, Rev. 0 Drawgs S900, S901, S902, S903, S904, S905, S906, S930, S931, S932, S940, S941, S942, S943, S944, S945, S950, S951, S952, S953, S954, S955, S956, S958, S959, S965 Rev 0 dated 10/	10/31/02 11/22/02	To Checker	Fro Check	To Engineer 12/20/02	JL	Not Approved	Major Scope: Significant number of comments need to be resolved	27 27

**METHOD DOCUMENT SUBMISSION RECORD**  
**CALPINE-BR AND CBO**

WILLDAN GEO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates				Comments - Action Required		Submitted Documents	Response
				Issued	Due	To Checker	From Response	Plan Check	Status		
STRUC-1	3042	00111	Pipe Rack Foundations and Piles: Drawings & Calculations Pipe Rack Foundations, Calc# 02484-001-06-023 R0, Draw#: S530R0, S540R0, S550R0, S551R0, S552R0, S553R0	11/29/2002	12/19/2002	To Checker	Fro Check	12/20/2002	GJ-EM	Not Approved	Eng. needs to get pile comment resolved. Remaining comments can be resolved later
STRUC-1	3042	000123	Pipe Rack Foundations and Piles: Response to CBO comments, Calc# 02484-001-06-023 Dwg#: S540 R1, S552 R1, S553 R1	12/31/02 01/07/03	01/22/03	To Checker	Fro Check	01/12/03	GJ	BB to review & prepare comments, Minor comment: Add a note on dwg: 540	7 7
STRUC-1	3042	000132	Pipe Rack Foundation: New Steel Platforms Calculation 02484-001-06-044-R0, Pipe Rack-Misc. Steel Platform Design Drawing S933-R0, Pipe Rack Misc. Access Platform Framing Plans, Sections Drawing S934-R0, Pipe Rack Misc. Access Platform Framing Plans, Sections Drawing S934-R0, Pipe Rack Misc. Access Platform Framing Plans, Sections	01/17/02 02/08/03	To Checker 01/23/03				GJ		4 0
STRUC-1	3042	000140	Pipe Rack Steel Structure: 1 Calculation 29 Drawings DWgs: S553R2, S505R1, S903R1, S902R1, S901R1, S931R1, S932R1, S940R1, S941R1, S942R1, S943R1, S944R1, S945R1, S950R1, S951R1, S940R1, S953R1, S954R1, S955R1, S956R1, S958R1, S959R1, S965R1, S967R1 Calc# 02484-001-06-22-R1	2/6/2003	2/28/2003				GJ		30
STRUC-1	3042	000155	Drawings for Pipe Rack Foundations Drawing S550-R1, Pipe Rack Foundation plan Drawing S551-R1, Pipe Cap Details Drawing S552-R2, Pipe Rack Foundation Sections and Detail	03/21/03 04/04/03							
STRUC-1	3044	00097	STG Main Step-up Transformer : Calcs 02484-001-06-008 Unit# 3 dated 11/01/02- Dwg# S567, S570, S577, S578 dated 11/01/02	11/07/02 11/27/02					GJ		5 0
STRUC-1	3044	00110	STG Main Step-up Transformer : Drawings / Calcs Calc# 02484-001-06-008 R1, Draw#: S577R1, S578 R1	11/27/02 12/19/02		To Checker	Fro Check	12/20/02	GJ-EM	Not Approved	Comments need response from engineer
STRUC-1	3044	000128	STG Main Step-up Transformer : Response to CBO Comments Drawings / Calcs Calc# 02484-001-06-008 R2, Draw#: S577R2, S578 R2	01/08/03 01/29/03		To Checker 01/14/03	Fro Check 01/16/03			Approved	Approved
STRUC-1	3045	000100	Piles: Concrete-Filled Pipe Piles: Specs 02472-R2	11/08/02 11/29/02							3 0
STRUC-1	3045	000137	Piles: Concrete-Filled Pipe Piles: Specs 02472-R3	01/28/03 02/18/03							1 0
STRUC-1	3046	000102	HRSG: Drawing & Calculations for HRSG Unit 1-Calcs 02481-001-06-006 Mat Foundation for HRSG & Stack for Unit 1 Rev. 1 dated 11/07/02 - S300 HRSG Pile Location Plan, Unit 1 Ravi Dated 11/07/02	11/07/02 11/29/02	To Checker	Fro Check	11/25/20	GJ-EM			1 0
STRUC-1	3046	000112	HRSG Foundation Drawings - S305, S307, S310, S313	12/03/02 12/24/02	To Checker	Fro Check	12/20/20	GJ-EM	Not Approved	Comments need response from engineer	4 4

WILLDAN CBO PROJECT NO. 13254										
Cond.	Pack. No.	Package Title	Review /Approval Dates			Comments - Action Required		Documents		
			Issued Due	To Checker	From Checker	Response	Plan Check	Status	Submitted	Response
STRUC-1	3046	HRSG: Response to CBO Comments and Revised Foundation Plans Dwg: S305 R2, S310 R2	12/31/02 01/22/03	To Checker 1/07/03	From Check 01/2/03	Approved	GJ	Approved Unstamped	2	0
STRUC-1	3046	HRSG: Foundation 8 Drawings S305-R3 Foundation Plan Unit 1 S306-R1 Foundation Plan Unit 2 S307-R2 Reinforcement Plan Unit 1 S308-R1 Reinforcement Plan Unit 2 S310-R3 Section Details Units 1&2 S311-R1 Section Details Units 1&2 S313-R2 Anchor Details Units 1&2 S315-R0 Equip Foundations Units 1&2	2/10/03 2/21/03	2/20/2003						
STRUC-1	3047	CTG Main Step-up: Drawings & Calculations for Unit #1 & #2 CTG Main Step-up and Auxiliary Transformer Foundation Calc# S574-001-06-036 Draw# S571R0, S572R0, S574R0, S575R0, S576R0, S579R0	12/06/02 12/27/02	To Checker 1/09/03	From Check 1/15/03		GJ	BB to review & prepare comments. Minor comment: Add a note on dwg: 290 spec 1/2" anchor	7	0
STRUC-1	3048	Condensate Pump Foundation: Drawing and Calculation, calc# 0248-001-06-038 draw: S290R0	12/17/2002 12/27/02	To Checker 1/21/02	From Check 1/21/02		GJ	Bart to Research Correspondence This goes with Subt# 3017	1	0
STRUC-1	3049	CTG Foundation Units 1&2 Drawing S206 R2	12/23/02 01/15/03	To Checker 01/15/03	From Check 01/15/03		GJ		1	0
STRUC-1	3050	Manholes & Covers Specification 02807	12/23/02 01/15/03	To Checker 01/15/03	From Check 01/15/03		GJ	BB needs to review and prepare comments. Distance between Trans and wall verify.	1	0
STRUC-1	3051	Station Service Transformer Foundations Dwg/Calc calc# 0248-001-06-037 dwgs: S570 R1, S579 R1	12/30/02 01/21/03	To Checker 01/07/03	From Check 01/15/03		GJ		3	0
STRUC-1	3052	Admin Building: Bechtel 3 Drawings: Dwg A1-8110, Dwg A2-8190, Dwg A5-8110	11/06/01						3	0
STRUC-1	3053	Excitation Transformer Foundation: 1 Drawing 1 Calc: Dwg: S685-R0 Excitation Transformer Foundation Calculation: 02484-001-60-043-R0	02/19/03 3/7/2003				GJ			
STRUC-1	3054	Circuit Breaker (CB) Platform for CTGs: 2 Calcs, 3 Dwg: Calculation: Foundation 02484-001-60-025-R0 Calculation: Steel Platform 02484-001-60-048-R0 Dwg: S601-R0 CTG Units 1&2 CB Platform Foundation Dwg: S680-R0 CTG Unit #1 CB Platform Structure Dwg: S681-R0 CTG Unit #2 CB Platform Structure	3/26/03 4/05/03	3/26/03 4/05/03	04/10/03		GJ		5	0
STRUC-1	7001	Calpine# 16320- Power Engineers Inc. SD-001 Calculation# 150312-01 #00249 Drawing# C02-1 Rev B	02/10/03 03/14/03				GJ		2	0

APPROVED DOCUMENTS SUBMITTED RECORD						
GATLINE BARRIER CBO						
WILLDAN CBO PROJECT NO. 13254						
Cond.			Review / Approval Dates			
Pack. No.	CBO No.	Package Title	Issued	Due	To	Comments - Action Required
A - Approved					From Checker	Comments - Action Required
I - Accepted as for information only					Response Check	Comments - Action Required
N - Not approved, returned with comments.					Plan Status	Comments - Action Required
C - Approval Conditioned upon submittal of addt. info or replacement						

I - Approved upon signature by Engineer, Inspector or other party indicated by CBO.  
 D - Discussion pending between CBO, Engineer, Geotech, Inspector or other party  
 H - On hold by Morrison/Capine  
 R - Reversal of approval pending resolution from outside agencies.